

# The AMIGA Reference

## AC's GUIDE / AMIGA

To The Commodore

Summer '93

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## Powerful Disk and File Management

Quarterback Tools Deluxe includes much more than just a new version of Quarterback Tools. Numerous new utilities have been added to make maintaining your system even easier than ever. There's Replicator, a full-featured duplication system. Locator, to quickly locate your files. Encryptor, to secure your files from others. File Eraser and Disk Eraser, to completely eliminate all traces of your files. Keystroke Finder, to show you how to type special characters. System Mover, to make moving fonts and system files a snap. And Brain Cloud, which can protect your disks from accidental use by others.

## Tools for Everyone

Quarterback Tools Deluxe is the most advanced disk recovery and file management package available for the Amiga, and the one program no Amiga user can afford to be without!

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## Central Coast Software

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### Quarterback Tools

- Scans disks for a wide range of problems and repairs them automatically.
- Finds bad blocks on a disk and hides them from AmigaDOS.
- Searches for and recovers accidentally deleted files.
- Salvages files from badly damaged disks.
- Defragments files for optimized disk performance.
- Includes an advanced disk sector editor, for direct access to data on disk.
- Full macro and AREXX support.
- Full AmigaDOS 2.0 and 3.0 compatibility, including support for both hard and soft links.

### Replicator

- Quickly makes multiple copies of floppy disks.
- Creates disk images and saves as AmigaDOS files.

### Locator

- Searches disks for files that partially or fully match specified names.
- Displays location of files, information about files, and file contents.

### Encryptor

- Encrypts and decrypts files to prevent unauthorized access.
- File decryption is password protected.

### File Eraser

- Completely erases and deletes files to make their contents unrecoverable.
- Uses standard or US Government erasure methods.

### Disk Eraser

- Completely erases all traces of just deleted files, or of *all* files on a disk.
- Uses standard or US Government erasure methods.

### Keystroke Finder

- Displays keystrokes necessary to generate any character.

### System Mover

- Quickly and easily moves fonts, printer drivers, and system files between disks.
- Displays version information for printer drivers and system files.

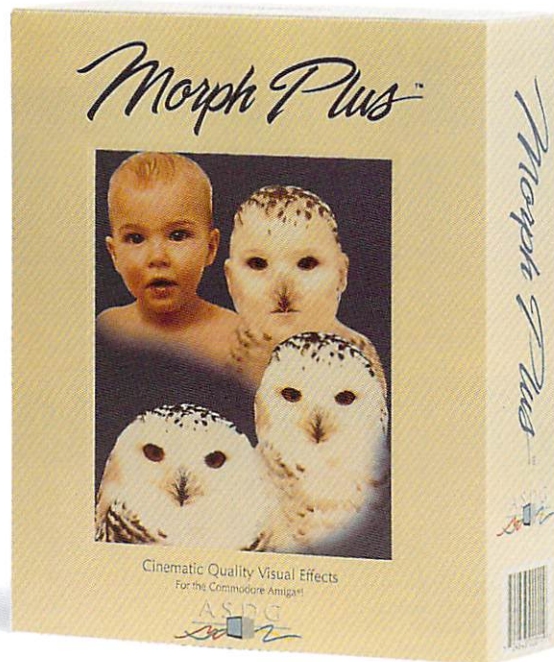
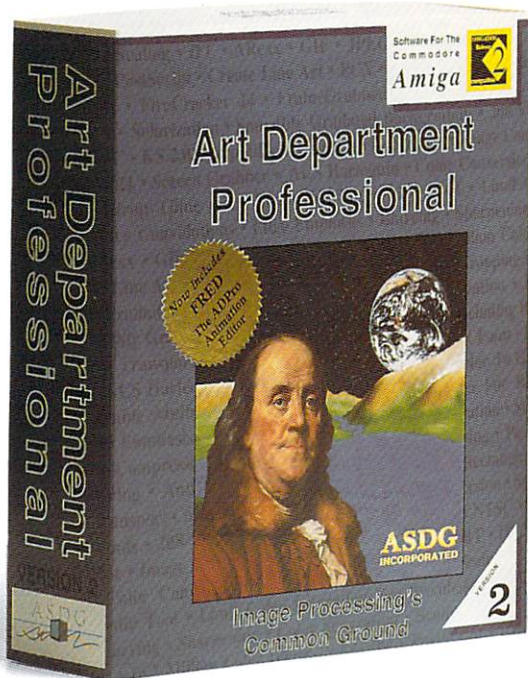
### Brain Cloud

- Makes a floppy disk inaccessible to AmigaDOS.
- Not even the Amiga's "Format" command will work on a disk with a "Brain Cloud"!

### General

- Workbench 2.0 style "3-D" user interface.
- Requires Kickstart 1.2 or later (Kickstart 2.0 or later recommended).
- Suggested retail price: \$125.00.

# Bring Home The Best



If you're thinking about getting an Amiga® special effects or image processing product, here are some facts to consider:

- ASDG's Art Department Professional was named the "Best Image Processing Program" for 1992 by the readers of Amazing Computing Magazine and "Best Video Software" by Germany's Amiga Plus Magazine.
- American Software And Hardware Distributors and MicroPace Distributors (the two largest Amiga® software distributors in North America) cite ADPro and MorphPlus as the best selling products of their kind.
- ADPro placed third among ALL Amiga® software products on the MicroPace 1992 Top 50 Sellers List.
- The Post Group, one of the largest post production houses in the world, has used ADPro and MorphPlus in the production of special effects for the prime time TV



show Quantum Leap and for major motion pictures.

- Mark Swain, an AmigaWorld reviewer (and animator for Foundation Imaging, the creators of the special effects for Babylon 5), said, "MorphPlus produces the most realistic shape shifting special effects I have ever seen on a desktop."
- David Duberman, Executive Editor of Video Toaster User, said in a comparative review of Amiga®

morphing products, "MorphPlus is the Rolls Royce of Amiga® morphing software... it will pay for itself with one job."

Consider the facts.  
Then bring home the best.



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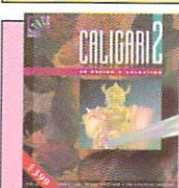


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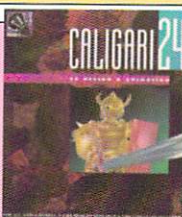
- 5 Scan Modes: 262,144 colors; 4096 colors;  
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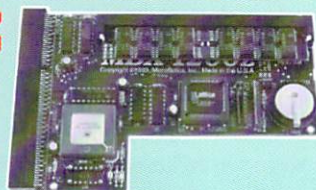
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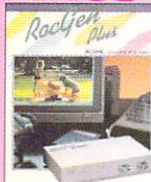
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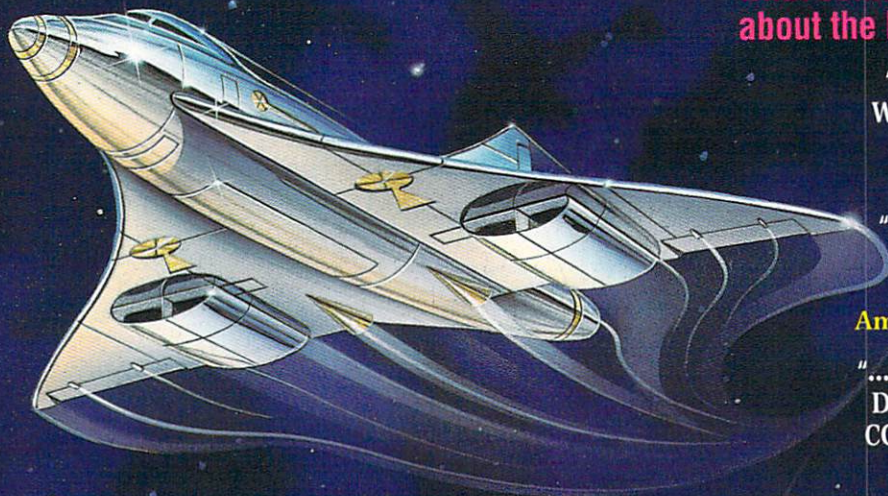
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**Don't just take our word for it, here is what some of the experts have to say about the REXX PLUS COMPILER...**

"...A SIGNIFICANT NEW PRODUCT WHICH ALL AREXX PROGRAMMERS SHOULD HAVE."

*Amazing Computing, June 1992*

"...THE AUTHORS HAVE IT RIGHT... IT COULD WELL BE A FUTURE AMIGA CLASSIC."

*Amiga Computing UK, November 1992*

"...IS A WELL-DESIGNED UTILITY THAT DOES ITS UTMOST TO SUPPORT THE COMPLETE AREXX ENVIRONMENT IN A TRANSPARENT FASHION."

*Amiga World, September 1992*

"...DOES THE JOB AND DOES IT WELL, EVEN ELEGANTLY."

*Jump Disk, June 1992*

**NEW**

## REXX *Rainbow Library*

S E R I E S

The REXX RAINBOW LIBRARY SERIES is a complete product line of support libraries designed specifically for use with ARExx. Each volume in the Series contains functions dedicated to a specific subject. The first volume in the series is the Stem/Array functions. It provides over 100 functions to manipulate single dimension arrays, which simplify ARExx arrays, Compound Symbols, Pointers and Subscripts. The functions include string manipulation, mathematical and scientific calculations and file access. Also included is the AssignArray() function which assigns/retrieves arrays from/to other ARExx programs. With this function you can build your own single or multiple dimension array functions. Tutorials and examples are used throughout the manual. The REXX RAINBOW LIBRARY SERIES requires ARExx and works with or without REXX PLUS.

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# Table of Contents

## Software

|                         |    |                                   |     |
|-------------------------|----|-----------------------------------|-----|
| Graphic Arts.....       | 3  | Business & Home Productivity..... | 56  |
| Desktop Video.....      | 19 | Programming.....                  | 61  |
| Word Processing.....    | 28 | Utilities.....                    | 66  |
| Desktop Publishing..... | 29 | Entertainment.....                | 71  |
| Music .....             | 35 | Miscellaneous Software.....       | 104 |
| Education.....          | 41 |                                   |     |

## Hardware

|                       |     |                             |     |
|-----------------------|-----|-----------------------------|-----|
| Drives.....           | 113 | Video Hardware.....         | 124 |
| Memory Expansion..... | 119 | Accelerators.....           | 131 |
| Video Toaster.....    | 121 | Miscellaneous Hardware..... | 133 |

## Miscellaneous

|                             |     |                            |     |
|-----------------------------|-----|----------------------------|-----|
| Accessories & Services..... | 157 | CDTV.....                  | 151 |
| Books & Tapes.....          | 162 | Last Minute Additions..... | 287 |

## Freely Redistributable Software

|                                      |     |                       |     |
|--------------------------------------|-----|-----------------------|-----|
| Cat Fish Category Listings.....      | 225 | The AMICUS Index..... | 234 |
| Freely Redistributable Software..... | 172 |                       |     |

## Indexes

|                              |     |                               |     |
|------------------------------|-----|-------------------------------|-----|
| AC's Back Issue Index.....   | 235 | Product Index by Product..... | 266 |
| The Fred Fish FRS Index..... | 230 | Product Index by Vendor.....  | 275 |
| The AMICUS Index.....        | 234 | Category Index.....           | 286 |

## Departments

|                                  |     |                           |     |
|----------------------------------|-----|---------------------------|-----|
| How to Use This Index.....       | 2   | Index of Advertisers..... | 256 |
| User's Groups.....               | 249 | Vendor Information.....   | 261 |
| Vendor/Product Registration..... | 247 |                           |     |

### Table of Contents

How To Use  
This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home  
Productivity

Programming

Utilities

Entertainment

Miscellaneous  
Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous  
Hardware

CDTV

Accessories  
& Services

Books & Tapes

Freely Redistributable  
Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue  
Index

Vendor/Product  
Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index  
by Product

Product Index  
by Vendor

Category Index

Last Minute Additions

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# How to Use This Guide

The Summer 1993 edition of *AC's Guide to the Commodore Amiga* marks the steady improvement in both the size and versatility of the Amiga market. Products range from the latest games to video services.

In order to make new listings highly visible, we have highlighted each with a small diamond (◆). We've also highlighted the programs which are AmigaDOS 2.0 compatible—as reported to us by the vendor—with a small number 2 (②). Because not all manufacturers make this known, we cannot guarantee that this is a complete listing of AmigaDOS 2.0-compatible products.

We have also added a special Consumer Alert caution to certain listings in this issue. Consumers should contact Amazing Computing for important information regarding the companies with this caution.

You will notice that we have provided a printed row of "easy finder" tabs along the edge of the pages. These tabs are extremely helpful in showing you what section you're in at any given time and where you will find other sections in the guide.

Complete indexes of products and services are listed by the name of the products or service, as well as listed by the name of the vendor. This guide features an overall category list which makes it easier to discover which category contains a particular sub-section. The last-minute addition section lists those products and services that were reported at press time.

Be sure to check out the new Catfish Freely Redistributable Software Category Listings. Now it's easier than ever to find that FRS file.

It Keeps Getting Even Better. . .

As always, your feedback is constantly improving this guide is greatly appreciated. If you have any suggestions, please contact us by writing to:

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We spend hundreds of hours, mailing thousands of letters, making and receiving an incredible number of phone calls, and creating miles of faxes to ascertain the accuracy of our information. If you do discover an error, please send a letter to the above address. Depending on the nature of the error and degree of urgency, we'll either report it immediately in *Amazing Computing* or make changes in the next publication of this guide.

If you are a vendor and have not registered your product or service, we need to hear from you as soon as possible. There is a special Vendor/Product Registration in the back of the book. Please complete it and fax or mail it immediately. It's always possible to have your new product or service mentioned in an upcoming issue of *Amazing Computing*. However, the only way to be certain that you are in the next issue of *AC's GUIDE to the Commodore Amiga* is to keep us informed.

Once again, thank you for your support and participation. It is through your continued enthusiasm that the Amiga has attained the recognition it enjoys today.

## AC's GUIDE / AMIGA

*AC's GUIDE for the Commodore Amiga*

### ADMINISTRATION

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| <b>Art Consultant:</b>     | Perry Kivolowitz       |
| <b>Illustrator:</b>        | Brian Fox              |

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**Advertising Manager:** Wayne Arruda

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# Graphic Arts

## ◆ GRAPHICS ARTS GENERAL ◆

### Aegis Amiga Graphics Starter Kit

A bundle of four of the original ground-breaking software packages for the Amiga! Perfect for the Amiga beginner, this package includes Aegis Images paint program, Aegis Animator for 2-D animation, Aegis Draw for an introduction to CAD and Aegis ArtPak, a collection of clip art by Jim Sachs and Richard Labarre! Arazok's Tomb, an exciting graphic adventure with more art by Jim Sachs, is included free! \$99.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see our display ad page 171.**

### Anim Workshop

Anim Workshop provides tools for processing/editing you Amiga Format animations. Anim Workshop makes it easy to create an animation from a list of RGB files or to change the format of an existing animation. Anim Workshop works with AD Pro to bring all of the Art Department's image processing power to the animation level. Anim Workshop can be set up to automatically create an Amiga resolution animation from files rendered by your 3D modeling software. In this way you can preview your animation on the Amiga before laying it down on tape one frame at a time, or record the Amiga animation directly.

*Axiom Software, 541 West 98th St., #322, Bloomington, MN 55420; (612) 888-0352*

### Art Disks for Fashion

Various art disks available relating to garment and fashion design. Examples: Fashion Poses-Men, Women, or Children, \$20 each or \$45 per set. Paper Dolls-Men, Women, or Children, \$20 each or \$45 per set. Gridded Heart Designs, Gridded Ethnic Motifs, \$15 each. NTSC. Works on all Amigas in IFF file format.

*Cocherille Design Studio, P.O. Box 4276, Encinitas, CA 92023; (619) 942-1957*

### Art Expression

Art Expression is a full-featured outline illustration program. Allows artists and graphic designers to create complex, artistic illustrations that can be scaled and used at any size without quality loss. Support for Adobe Type 1 outline fonts. Two objects can be blended together; color and line styles also blended. Groups/Ungroups, Locks/Unlocks, flips and aligns objects and groups of objects. Rotates objects directly on the page visually or by numeric entry in 1-degree increments. Autotracing of images from one to 24 planes, inside the program. Import EPS, Aegis Draw, Adobe Illustrator, and IFF DR2D format files. Fully compatible with all Amigas with 1MB of RAM or more, and AmigaDOS 1.3/2.0. \$249.95

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608*

### AutoPaint

25 Screen Templates that automatically composite pictures using framestores and 24-bit RGB's or IFF's in Toaster Paint. AutoPaint controls Toaster Paint and will shrink and place your pictures where you want them. This program has a simple point and click interface with 3 levels of adjustable auto beveling and drop shadows. Help has arrived - What took hours now only takes minutes. VHS demo tape \$5.00 Requires Toaster and 8 Megs of RAM. \$149.00

*A+ Development, 7970 S. Madison Ave., Burr Ridge, IL 60521; (708) 654-0321*

### Cyclemuscles

For use with Imagine, these two objects are caricatural representations of bodybuilders. They come with a walking cycle and running cycle for use in animations. Both objects are very detailed,

and come with all necessary attributes. These objects can be freely used in any project. We've included both a 24-bit and HAM image of a rendered scene. \$99.00

*Spectronics International U.S.A., Inc., 34 East Main St. #3, Champaign, IL 61820; (217) 352-0061*

### Digital Dungeon

Designed to replace maps and lead figures in the gaming role-playing environment. Uses 64-color digitized graphics models of terrain, objects, and entities from the past, present, and future. Has been optimized for speed and functionality; all operation are so fast that user interface is nearly transparent. Features include: editable information windows, random die generator (with pipelines for results), scene editor, general initiative system, Quickdir directory system, virtual window, and SEVEN disks of digitized art. Additional graphics disks and pre-constructed popular gaming modules are planned. NTSC/PAL. Works with Kickstart 1.3 and higher. Hard drive installable. Requires 1MB RAM. 1MB chip RAM and 1.5MB total RAM recommended. \$49.95

*Magic Matrix, Station A, P.O. Box 2406, Champaign, IL 61825-2406*

### Digital Dungeon Expansion Set 1: Future Days

The first of many planned expansion graphic sets for Digital Dungeon. Future Days brings two full disks of futuristic characters, robots, computers, machines, reliefs, and other graphics to the Digital Dungeon environment. A very necessary expansion for those planning to run a campaign based in the future. \$14.95

*Magic Matrix, Station A, P.O. Box 2406, Champaign, IL 61825-2406*

### DynaCADD 2D

This version is the 2D portion of Ditek's powerful 2D/3D Computer Aided Design and Drafting solution that has been on the market for the past two years. DynaCADD 2D will include both a 68000 and a 680X0 version. Features such as on-line help, context-sensitive documentation and a well organized and intuitive graphical user interface make DynaCADD 2D extremely easy to learn and use. \$269.00

*Ditek International, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2; (416) 479-1990*

### Expert 4D jr

A 3-D modeling and animation package offering 2-D to 3-D creation of pre-formed primitive shapes on which to base more complex drawings. Full control over perspective and 'camera' position, and up to 10 lamps of different color, aperture, and intensity. Separate rendering module. NTSC/PAL compatible. Requires 1MB RAM for all Amigas. AmigaDOS 1.3 or 2.0 compatible. \$79.00

*Genisoft, Unit 3 Poyle 14, Neulands Drive, Colnbrook, Berks SL3 0DX, England; (011) 4475-368-6000*

### Genesis The Third Day

This fractal landscape generator allows you to create landscapes of real locations, using authentic government data, or imaginary locations by using an easy-to-use interface. You have complete control over every aspect of this powerful creative tool. Features include landscapes of incredible complexity, control over all fractal parameters, animation capabilities through script commands for drawing a series of pictures using keyframes, placement of the observer view point anywhere in the 3-D space around the landscape, and five draw modes. Colors are adjustable for each landscape element even after the picture is drawn. Pictures are stored as standard IFF files, low-res, hi-res, HAM, and soon in true 24-bit. AREXX compatible, with special AREXX macros included. \$149.95

*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

### Graphics Workshop V1.01

Features include a 10-brush library, gray scaling, line art generation, true anti-aliasing, true polygon generation (3-22 sides), rays, four point curves, brush masking, color replacing, rub-thru drawing, pattern library with pattern draw, automatic normal, and halfbrite shadows. Supports standard page animation, and cell animation. Using the powerful Page-Effects window, page animation integrated the brush library with 3-D perspective to allow 10-brush synchronization and timing with rotation, movement, acceleration, and fading. Other features include gradient fill, wrapping, variable speed air brush, two types of stenciling, and 3-D perspective. The upgrade, version 1.01 corrects several software bugs, improves performance, and adds several new commands. Version 1.01 is quicker and more stable than version 1.0. \$100.00

*Holosoft Technologies, 1637 East Valley Parkway, Ste. 172, Escondido, CA 92027; (619) 747-0663*

### Helm

Both an authoring system and a powerful graphics program. Combines draw, paint, and image processing tools with a scripting language, hypermedia database manager, and rich assortment of user interface objects. Create programs by drawing and programming objects (buttons, charts, image and test fields, etc.) on the pages of an interactive book. Imports sound (8SVX), music (SMUS), images (IFF-ILBM), and animations (ANIM-5) directly into book. Supports Amiga clipboard, visual effects, PostScript, and ECS. Create custom image editors, information managers, presentations, kiosks, databases, educational courseware. \$189.00

*Eagle Tree Software, P. O. Box 164, Hopewell, VA 23860; (804) 452-0623*

### Ilene's Color Cookbook

This is a utility to assist in making color printouts. It contains 32 color lo-res files of color charts with RGB settings. These can be printed out on any Amiga supported color printer. For use as a guide in approximating colors on the monitor or other specific color samples. Just load into the paint program you print from. \$29.95

*Tru-Image, P. O. Box 660, Cooper Station, New York, NY 10276; (212) 777-7609*

### Mandala

This is a string art construction set. Tired of working three or four days pounding nails into boards and wrapping umpteen layers of thread around them? Mandala lets you design three basic shapes: circle, ellipse, and starburst; select and string up to 47 layers; alter the palette to select wanted colors; and save that newly created masterpiece as an IFF file for later viewing when you may feel like actually pounding nails and creating it. AmigaDOS 2.0 compatible. \$19.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

### Materials Texture Library Vol.I-Stone Surfaces

A five-disk set of 15 high-quality stone textures suitable for 3-D image wrapping, video, and art use. Each color image measures 704 x 480 pixels in HAM mode and is directly compatible with Imagine, Lightwave 3-D, Real 3-D, and Turbo Silver. Included are several types of marble, pebbled surfaces, and asphalt. Computer art and animation takes on a stunningly realistic look when these textures are used. \$49.95

*MicroSearch, Inc. Materials Texture Library Vol.II-Tiles*

A five-disk set of 20 high-quality tile textures suitable for 3-D image wrapping, video and art use. Each color image measures 480 x 480 pixels in HAM mode and is directly compatible with Imagine, Lightwave 3-D, Real 3D, and Turbo Silver. When used in 24-bit renderings, these HAM textures are virtually indistinguishable from 24-bit versions and don't have the storage and RAM

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Graphic Arts

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

problems found with 24-bit files. \$49.95  
**MicroSearch, Inc.** Materials Texture Library Vol.III-Wood Surfaces  
 A five-disk set of 15 high-quality wood textures suitable for 3-D image wrapping, video and art use. Each color image measures 736 x 482 pixels in HAM mode and is directly compatible with Imagine, Lightwave 3-D, Real 30D, and Turbo Silver. Many different types of wood are included, including cork, particle board, and a butcher block finish. This is a realistic collection of wood surfaces available for the Amiga. \$49.95  
**MicroSearch, Inc.** PI-PICT Loader and Saver  
 This public interface modules allow Black Belt's ImageMaster image processing program to load and save the Macintosh's PICT bitmap image file format. The PI-PICT Loader understands PICT bitmaps of colors, from 2 colors to 24 bit. The PI-PICT Saver saves 24-bit PICT images. The package includes a Macintosh disk with tools that make it easy to transfer PICT files between the Mac and the Amiga. One tool works with Apple File Exchange to preserve desktop icons and file type information when Mac files are stored on Amiga disks. Another tool helps set the Mac file type and creator information when a PICT file is moved from the Amiga to the Macintosh. Requirements: ImageMaster from Black Belt Systems. \$99.95  
**Syndesis, N9353 Benson Road, Brooklyn, NY 11231; (608) 455-1422**

## PSImport™

An extremely flexible module for Amiga artists, designers, and desktop publishers. PSImport enables importing most structured PostScript artwork from any computer into viewable and editable ProVector (IFF-DR2D) drawings. PSImport can also translate PostScript Type 1 fonts into ProVector (IFF-OFNT) format. Offers ProVector users access to an incredible amount of EPS clip art and Type 1 fonts from Macintosh, MS-DOS, and other computer platforms. Requires ProVector 2.1 or higher, 1MB total RAM, AmigaDOS 1.3 or higher, and at least one disk drive. If importing drawings or fonts originating from non-Amiga platforms, user must first transfer files to Amiga-readable disk using modem or transfer utility such as CrossDOS. \$89.95  
**Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522; (303) 484-7321**

## Paragon font Packs

6 different font packs containing from 5 to 24 different fonts, available in different formats for use with all popular Amiga DTP packages. Paragon fonts distinguish themselves from other fonts because of the high quality of digitalization and the great number of different font faces within one family. The font packs will range in price from \$139.99 for a disk of 5 fonts to \$284.50 for a disk containing 24 different fonts.  
**Spectronics International U.S.A., Inc., 34 East Main St. #3, Champaign, IL 61820; (217) 352-0061**

## Pixel 3D Professional

Pixel 3D Professional is a multi-function 3D utility program that converts IFF bitmaps to 3D objects by extruding or spinning the image. This works great for making 3D logos; first you must digitize and clean up the logo/artwork, then use PixPro to convert the IFF bitmap to a 3D object where it can be smoothed, edited, extruded, and even beveled, then saved out in one of these 3D object formats: Lightwave 3D, Imagine, Turbo Silver, Caligari, DXF (AutoCAD), Sculpt 3D, 3D Professional, Draw 4D, Draw 4D Pro, Videoscape, Wavefront, or Digital Arts. PixPro can load and save all of these different 3D object formats so it can be used as an object conversion tool.  
**Axiom Software, 541 West 98th St., #322, Bloomington, MN 55420; (612) 888-0352**

## Principles of Composition

A computer program that teaches the fundamentals of composition and design. You're taught about color, balance, rhythm, pattern, contrast, unity, gradation, harmony, and much more. For the Amiga (there is also version for C64). Comes on 3.5-inch disks. \$68.95 plus \$5 S&H. Write to:  
**Art Instruction Software, 38 Balsam Dr, Medford, NY 11763**

## ProVector 2.1

An extremely fast and flexible object-oriented drawing program with a unique user-friendly interface. ProVector is fully multitasking and allows multiple drawings to be loaded/created simultaneously for easy cutting and pasting of objects. ProVector features a fast, accurate free-hand tool as well as bezier curve, regular and irregular polygon tools for both smooth and straight-line polygons. Other features include user-configurable UNDO (up to 255 steps), extremely flexible object alignment, rulers, test-to-path, user-editable color fill patterns, grid-snap, and much more. ProVector is completely user-configurable, offers keyboard shortcuts for most operations, and includes a user-selectable measurement system (inches, picas, centimeters) as well as AREXX compatibility (several useful AREXX macros included). Requires 1MB total RAM, AmigaDOS 1.3 or higher, at least one disk drive. \$299.95  
**Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522; (303) 484-7321**

## RaceTrace

RaceTrace is a sophisticated, high speed program that automatically detects the vectors of bitmapped images either in monochrome or color. RaceTrace is a program that allows you to transform bitmapped pictures into vector-oriented formats. Load a picture from disk, vectorize it, and edit it to suit your needs. Then save it to disk, choosing from a variety of formats. It also converts the original color of the bitmap to the desired vector format. Save the result to disk in any of the following formats: Sculpt, RaceTrace format, HPGL, Postscript, Digiwords 3D, Professional Draw clip, Real 3D polygons, and Real 3D polyhedrons. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988. \$199.00  
**Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooit, The Netherlands; (011) 312-0691-1914**

## SignEngine

The first professional level sign production software for the Amiga. Designed to compete with existing Mac and IBM sign software costing much more. SignEngine imports artwork designed in your favorite structured illustration package, then provides sophisticated control to manipulate these drawings into self-adhesive vinyl signage. Direct support for Professional Draw, ProVector, and Art Expression. HP/GL-DM/PL to bezier curve import capability allows importation of Corel Draw, Illustrator, most CAD plot file formats. Features autoping, interactive auto-tiling, outline/inline, colorlayer cutting, multiple copies, border maker, full background output. Outputs HP/GL and DM/PL languages for compatibility with most cutters on the market. For any Amiga. AmigaDOS 1.3/2.0/3.0 compatible. Hard drive, accelerator recommended. \$559.95  
**Parallel Motion Graphics, Inc., 10 Stewart Court, Ste. 78, Orangeville, Ontario, Canada L9W 3Z9; (519) 942-8822**

## SpiralMaster

A computer implementation of Kenner's Spirograph. This program allows up to 20 layers to be constructed on the screen at one time. Unique user interface allows easy setting of all relevant factors with editing and saving of finished designs in IFF format. Both inside and outside wheels may have up to 999 teeth. Up to eight user-definable colors on the screen at a time. You have to see it to believe it! AmigaDOS 2.0 compatible. \$19.95  
**SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810**

## Ultimate Rock, Stone, & Mineral Collection—Vols. 1 & 2

Digitized and image-processed images for use in 3-D rendering, paint, presentation, and desktop publishing. Image-processed selection includes stone tiles, simulated colored glass, and simulated colored chrome. All images easily scaled for use as brush or pattern fills and texture maps. Each volume contains approximately 40-50 24-bit JPEG images and 24-bit JPEG thumbnail picture files for

easy selection. Requires JPEG loader. Price per volume and additional volumes TBA. Available 1st quarter 1993.

**Bearded Wonder Graphics, 1866 Ocean Avenue 5C, Brooklyn, NY 11230; (718) 998-1767**

## Ultimate Wood Collection—Full Set and Sampler Set

Digitized wood textures for use in 3-D rendering, paint, presentation, and desktop publishing. Full Set: 48 textures, 116 images. Sampler Set: 12 textures, 29 images. All images 320 x 400 seamless HAM IFF. Plain and parquet textures in plain, polished, and rough styles. Image Finder files for easy selection. All images easily scaled for use as brush or pattern fills and texture maps. Requires Image Finder. Full Set: \$180, Sampler Set: \$50. 24-bit JPEG version—Full Set: 49 textures, 122 images; Sampler Set: 13 textures, 33 images. 24-bit JPEG thumbnail picturefiles for easy selection of images. Requires JPEG loader. Full Set: \$220, Sampler Set: \$85.

**Bearded Wonder Graphics, 1866 Ocean Avenue 5C, Brooklyn, NY 11230; (718) 998-1767**

## Video Textures and Backgrounds

Three full disks of various textures that can be used in any IFF compatible paint program, 3-D rendering and animation programs, as fills for Fonts, or as backgrounds for video and titling. Included are many color patterns and styles of wood textures, stones, plants, interior design, and other real world items. The palettes of these images are not fixed and can be changed in any paint program if necessary. \$24.95

**Take Four Productions, 11396 Camarosa Circle, San Diego, CA 92126**

## Vidia Image Library

First two packages in digital stock photography library. 24 photos per package. Winter & Snow: glacier ice, snow-covered mountains, trees, rivers, ponds, other winter wilderness scenes. Postcard Scenics: Eclectic mix featuring rolling hills, sunsets, ships at dock, cities at night, etc. \$49.95 (HAM), \$169.95 (24-bit).

**Vidia, P.O. Box 1180, Manhattan Beach, CA 90266; (310) 379-7139**

## Virtual Reality Studio 2.0

With VSR 2.0 and its additional functions and features, user will be able to more easily create worlds by using objects provided in the Clip Art Library. To make object selection easier, a full color Clip Art Catalog comes with the program. Additionally, VRS 2.0 allows for simple point and click creation of spheres. Previously, users were relegated to creating spheres by using the primitives which were provided in the program. Now, spheres are provided making VRS 2.0 the only compatible 3D design tool available in an end user price range. Once you created your environment, you can manipulate it with the simple Freescape Control Language by applying a set of conditions to the entire world or to specific objects or areas. Objects can be defined as sensors, which can detect the presence of the user. You tell the computer how to respond to the users actions, such as opening doors for him, which he can walk through into a completely new environment and explore them from any angle down to the tiniest detail. Anything created will run independently of the Virtual Reality Studio program. \$99.95  
**Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929**

## World 3D

An interactive graphic editor for use with the shareware DBW\_Render ray tracer. Features include the ability to save and create individual objects and construct a library of commonly used shapes, easily edit attributes as well as textures and global parameters, and load and use VideoScape and Sculpt-3D objects. It also sports ultra-fast Preview mode, compact code, editing via ghosting, object duplication, and true 3-D solid object support. World 3D runs on any Amiga and requires 1MB RAM. \$95.00

**Lewis Stone, P.O. Box 141211, Minneapolis, MN 55414-1211**

## ◆ 3-D ◆

### 3-D Vector Objects/Fonts

Growing collection of 3-D vector objects for raytracing. Forty different disks in each of three formats (T.S., Sculpt, VS), 65 new fonts and all categories of objects. Call for catalog. \$12.50 each or \$30.00 for set of three.

*Commotech Computers, 205 8th St., National City, CA 91950; (800) 300-AMIGA*

### 3-Demon

Universal 3-D object editor allows interactive creation and manipulation of solid objects in a single window. Compatible with VideoScape 3D, Sculpt, Silver, and Forms in Flight. Save objects as standard IFF files. \$99.95

*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015; (408) 741-0117*

### 3D Professional

Fast 3-D polygonal-rendering software with animation facility. Create professional, stunning 3-D images in a fraction of the time it takes ray tracing software. Also creates fractal landscapes, trees, and clouds. Includes 3-D Professional Ray Tracer, a powerful software module for ray tracing images from 3D Professional and other 3-D programs. Comes with many advanced features, including distributive network ray tracing. Available free of charge to current 3-D Professional users. \$299.95

*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### Aegis Modeler 3D

For use in animation programs. Provides flexible format for building your objects. Polygons used for creating objects may have any number of points. Use tools such as Flip, Merge, Lathe, and Extrude. Also included are Rotate, Translate, Scale, Mirror, Remap, and more. \$99.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see our display ad page 171.**

### Aegis Videoscape 3D with Pro/Motion

Real-time 3-D animation with many options and many applications. Use diffused or specular lighting on any object in multiple colors in any of four screen resolutions, including full overscan. Image may be saved as IFF image then used in Amiga paint programs. Includes library of objects and images. \$199.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see our display ad page 171.**

### Aladdin 4D

Revolutionary 3-D modeling, rendering, and animation software package. Single window editor with wide angle zoom, rotation controls allows viewing of objects from any orientation. Supports powerful modeling/animation tools, polygons of any number of points, lights, paths, wave sources, gases. Paths can be hierarchically linked to control movement/rotation and can have unlimited number of deform levels. Polygons support facet, gouraud, phong shading, attribute lists, texture lists. Texture lists support IFF bitmaps, single frame anims, and procedural textures which can be shingled, projected, cylinder, or spherical mapped as normal, decal, bump, opacity, genlock, reflection and more. Animation preview mode, interruptable z-buffer redraw. Ray traced shadows. Camera mode w/multiple targets. Saves IFF, IFF-24, DCTV, Anim, PDraw clip formats in any size up to 32000x32000. Import support for Videoscape 3D and EPS files. Direct support for all Amiga modes, HAM8, DCTV, Resolver, Firecracker and OpalVision. NTSC/PAL. Multitasking. Requires 2MB min. AmigaDOS 1.3/2.0/3.0 compatible. Formerly Draw4D-Pro. \$499.00

*Adspec Programming, 467 Arch St., Salem, OH 44460; (216) 337-3325*

### Animatrix Modeler v1.2

3-D object modeler with user friendly virtual reality interface. Includes stereoscopic viewing option for use with supplied red-blue glasses or X-Specs (available from Haitex). Stereoscopic mode gives

depth perception to greatly ease creation of human faces, hands, etc. All operations performed in perspective mode (optional non-perspective). Real time rotation, scaling, and translation, single and grouped point editing, edge and face subdivision, point joining, magnet, much more. Load/save objects in six formats including Imagine and LightWave. PAL option. Requires 1.5MB and one disk drive minimum. AmigaDOS 1.3/2.0 compatible. \$139.95

*duBois Animation, 1012 N. Chartrand Ave., #F, Edmond, OK 73034; (405) 348-4670*

### C-Light

Low-priced 3-D animator and raytracing program with 3-D editor, shadows, mirror surfaces, multiple lights, and stereo-vision 3-D. \$24.95

*Peterson Enterprises, 7 Grove Street, Haydenville, MA 01039; (413) 268-9232*

### Caligari 2

A modeler, renderer, and animator employing virtual reality technology with Broadcast functionality. This includes single point edit, mirror, slice and sweep functions. Interactive spline-based animation module with real-time preview identical to Broadcast. Photorealistic full color renderer with texture mapping, environment mapping, shadows, transparency, Gouraud, Phong, Metal, and Environment shader with great antialiasing. Unlimited number of lights including global, local, directional, shadow casting. 20 to 50 times faster than ray-tracing programs; twice as fast as nearest non-ray tracing competitor. Implementation of Broadcast technology. Support for HAM, DCTV, and HAM-E frame buffers. NTSC/PAL. Reads and writes Videoscape and LightWave object formats. Runs on all Amigas with minimum of 2MB RAM. Support for 020/030 and floating point accelerators. Call for price.

*Octree Software, Inc., 1955 Landings Dr, Mountain View, CA 94043; (415) 390-9600*

### Caligari 24

Modeler, renderer, and animator employing virtual reality technology similar to Caligari Broadcast. Offers Broadcast technology—full object editing functions including point edit, real-time feedback using a virtual reality interface, fast rendering of photorealistic images, IFF support for textures and output. New features: 16.7 million color output, Alpha channel, free-form deformation, enhanced animation. Animation module includes hierarchical animation with intuitive time line editor, real time preview, more. Photorealistic renderer offers texture and environment mapping, shadows, transparency, Gouraud, Phong, Metal, and Environment shader with four levels of antialiasing, unlimited number of lights including global, local, directional, shadow casting. Textures can be mapped using UV or various projection methods. Requires only 2MB RAM. Takes advantage of accelerators, although not required. \$399.00

*Octree Software, Inc., 1955 Landings Dr, Mountain View, CA 94043; (415) 390-9600*

### Caligari Broadcast 3.0

A modeler, renderer, and animator employing virtual reality technology. Besides free-form deformation in the modeler, it is enhanced with brand new free-form deformation in animation module as well as hierarchical animation. Point editing support as well as slice, sweep, and mirror functions. Interactive spline-based animation module with real-time preview now based on quaternions. Support for single frame controllers for recording to videotape. Photorealistic 32-bit (8-bit alpha) renderer with texture mapping, environment mapping, shadows, transparency, Gouraud, Phong, Metal and Environment shader with four levels of antialiasing. Unlimited number of lights including global, local, directional, shadow casting. 20 to 50 times faster than ray tracing programs; twice as fast as nearest non-ray tracing competitor. Textures can be mapped using UV or various projection methods, and can now be created from IFF images. Supported frame buffers include Targa+/Vista, GVP Impact Vision 24, Harlequin, Firecracker, DCTV, HAM-E. Slide resolution up to 8000x8000 pixels. Reads and writes Videoscape and LightWave

object formats. NTSC/PAL. Optimized to run on 68030/040 and floating point accelerators. Requires 3MB RAM. \$1995.00

*Octree Software, Inc., 1955 Landings Dr, Mountain View, CA 94043; (415) 390-9600*

### Design 3D

Professional quality modelling package lets you model in wire frames with six line types and 16 colors, with dithering to emulate additional colors. Four views: top, side, front, and perspective; with four light sources. Axle extrusion allows for fast modelling of symmetrical objects. Works in hi-res interlace, or non-interlace. Requires 1MB and 1 drive. \$69.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### MakePath 1.0

A motion-editing tool for use with all Vista or VistaPro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline-based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real-time editing capabilities. Simple point-and-click interface. Order direct from VRLL. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

### Pro-Textures Vols. I, II, III

For those requiring high quality in their 3-D renderings, or for those rendering out to a frame buffer or other 24-bit display device, this 10-disk set is now available. Each edge of each image—tops, bottoms, and sides—matches against the edge opposite to it, resulting in virtually seamless image mapping. There is a wide selection of vibrant, full-color texture images in both hi-res 24-bit IFF and HAM format. Specifically tailored for both 3-D image wrapping and reflection mapping (Global environment mapping). Each volume \$69.95.

*Merlin's Software, Published by Amazing Computers S.E., 1441 E. Fletcher Ave., Tampa, FL 33612; (813) 977-6511*

### RayDance Ray Tracing Software

RayDance gives the artist and designer unprecedented power to create their vision in photorealistic 24-bit images. RayDance uses the ray-tracing method for optimal visual quality. A powerful, command rich, scripting language gives you pinpoint control over every aspect of your virtual world. RayDance scripts can easily create natural-looking fractal trees and terrain. Other features include true image wrapping, virtual objects that make possible scenes with millions of polygons, atmospheric haze, hierarchical object control, and importation of Videoscape format objects. Requires 1MB RAM minimum, two floppy disks, additional RAM, hard disk, and 68020/030 and 881/882 strongly recommended. \$99.95

*Radiance Software, 2715 Klein Road, San Jose, CA 95148; (408) 270-7420*

### TerraForm 2.0

TerraForm is the VistaPro Digital Elevation Model (DEM) terrain editor. With it you can modify an existing landscape or create your own. Add dams to rivers, roads climbing up mountains, put your own face on Mars. Create new and original landscapes using tools to build mountains, make craters, flatten or roughen areas, and paint elevations. Its use is limited only by your imagination. Paint by elevation on the topographic representation map, or edit on a point by point basis. New to TerraForm 2.0 are cut, undo and several types of paste. Order direct from VRLL. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Graphic Arts

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Turbo Silver 3.0

Turbo Silver 3.0 is a complete ray-tracing and solid-model rendering engine and 3-D editor to be used in the creation of photo realistic images and animations. Simple-to-use interface makes generating animations easy. Complete control of the world and camera are part of the Turbo Silver function set. \$199.95  
*Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444; (612) 425-0557*

## Virtual Reality Studio

Designed by Incentive Software, this program allows you to easily generate an entire 3-D world, then move smoothly from location to location while fully exploring the terrain around you from any angle. Objects can be created, copied, animated, and colored with 256 colors, and can be defined as sensors to detect the user's presence. Create your own adventure game, or design a house, car, or airplane down to the smallest detail. Create environments within others; walk or fly through an environment; look up, down, or around a corner. On-screen design lets you see the results of your actions as soon as you complete them. \$89.95

*Domark, Dist. by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929*

## VisionModeller 3D v1.1

Version 1.1 completely revamped for Workbench 2.04. Can be used with new screen modes Super HI-res Interlaced and Productivity Interlaced. A full-featured 3-D modelling program which works in conjunction with XSpecs 3-D glasses from Haitex Resources. It has numerous primitive shapes including cubes, cones, spheres, and donuts, plus additional special primitives modulated donut, VanKoch snowflakes, and fractal trees. Easily create and edit points, lines, and faces. Tools allow you to extrude in any direction, spin around any axis, skin cross-sections, fillet lines, and use dynamic motion animation capability. Features read and write compatibility with Sculpt 3D/4D, Turbo Silver 3.0 and Imagine rendering programs. Many more enhancements. Requires 68020/030 processor and 68881/882 math co-processor; 1.5MB of memory, Workbench 2.04. \$100 with printed manual. Demo disk \$10.

*ShaderSoft, 3631 Colby S.W., Wyoming, MI 49509; (616) 531-6083*

## Vistapro 2.0

Vistapro 2.0 allows importation of more data into each picture frame than original Vistapro, greatly increasing the possible resolution of the final rendering. Oak, pine, palm, cactus, and sagebrush can be added to any scene in varying mixes and densities. Large and small buildings, roads, and sunsets can also be added. The final effect of all these functions is to produce a picture of unsurpassed realism and life. Vistapro adds direct support for DCTV, Firecracker, HAM-E, and ARExx. Contains a simple, direct animation utility with the basic program to produce an animation from the camera to the target. Wireframe preview mode is another new feature which allows a quick view of a scene. User definable foreground and background are supported. Requires 3MB; accelerator strongly recommended. Higher resolution output is possible for those having more than 3MB RAM. Vistapro 2.0 outputs in 24-bit color for Toaster, Colorburst, or Harlequin boards. \$99.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## ◆ 3-D/CLIP ART & OBJECTS ◆

### AniMotions

AniMotions will animate any human-like object created with Sculpt Animate 4-D to execute a variety of common human movements. Create your own humanoids or use the included mannequins. Alter the movements as you wish and turn them into sequences of actions. The mannequins can also be manipulated into any posture and painted over. Sculpt Animate 4-D version \$49.95/

Turbo Silver version (operates only with enclosed mannequins) \$34.95. Requires 1MB.

*Tom Macri, 2022 Mountain St., Ste. 205, Montreal, Quebec, Canada H3G 1Z7; (514) 281-8063*

### Animals #1

Beagle, Cow, Pig, Deer. Imagine format only. Movable parts for animation. Requires 2MB, more recommended. \$49.00

*Merilyn Scott, 5618 Kiwanis Pl. NE, St. Petersburg, FL 33703; (813) 522-6807*

### Antic's 3-D Design Library™

A collection of programs with 3-D objects that can be loaded into Videoscape 3-D; Sculpt 3-D, 4-D; TurboSilver; Imagine; and JourneyMan as well as the Video Toaster. Antic's 3-D Design Library™ now includes the following disks (each sold separately): Human Design Disk, Architectural Design Disk, Future Design Disk, Microbot Design Disk, Interior Design Disk, Woodlands Design Disk, Space Design Disk, Vintage Aircraft Vol I—Early Air Craft, Dinosaur Design Disk, City Icons Vol I—NYC, City Icons Vol II—San Francisco, City Icons Vol III—D.C. The following disks will be available by Fall 1991: Vintage Autos Vol I—50's, Vintage Autos Vol II—30's, Whales Design Disk, Western Town Design Disk, Vintage Aircraft Vol II—Desert Storm, Locomotive Design, Vintage Ships Vol I—Clipper Ships, Undersea Life Design Disk. Each disk is \$39.95.

*Presidio Software, 2215 Chestnut St., San Francisco, CA 94123*

### Archi-Pro 3D

Library of 3-D objects for architecture creation, all styles and designs with a minimum memory use. Ten diskettes, scenes and objects. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB \$110.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France; (011) 3314-237-1644*

### Big Rig Set

Professional-level 3-D semi-cab and trailer for LightWave 3D. Modeled to +/-22 mm. The Big Rig Set offers 20 moving parts, multiple map-ready surfaces, working lights, and much more. Based on Freightliner Aerodyne. Includes preset scene file for "plug-n-play" use with LightWave's Load From Scene option. Created by national LightWave columnist David Hopkins. Requires LightWave 2.0, extra RAM and accelerator suggested. \$49.95  
*Macb Universe, 3019 Pico Blvd., Santa Monica, CA 90405; (310) 315-1750*

### Cabrio

Hot rod from Citroen 15/6 traction avant convertible. Nine 3-D files with wheels, body, wind screen, headlight, and seat. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB \$45.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France; (011) 3314-237-1644*

### Christmas 3D Objects

Santa, Sleigh, Deer, Holly, Candy Cane, Gingerbread Family, Snowman. Available in Imagine or Sculpt 4D format. Movable parts for animation. Requires 2MB, more recommended. \$49.00  
*Merilyn Scott, 5618 Kiwanis Pl. NE, St. Petersburg, FL 33703; (813) 522-6807*

### Clip Art #1—Transport & Signs

This clip art can be used in all Amiga graphics programs: desktop publishers, word processors, video, art, and databases. It includes a guide to create many more images and how to use them in a variety of programs. Various sizes and styles, 800K of data=200 plus images. \$30.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

### Clip Art #2—Human Biology

Includes Muscular/Skeletal system, the Senses, Heart, Respiration, Circulation, Teeth, Cells, Reproduction, Brain, Nervous System, Digestion, and more. Labeled drawings, unlabelled copies, size variations, drawings, schematics, processes, flow diagrams. 1.75MB of data in a two-disk set. 200+ images; images in eight shades. Can be used in all Amiga graphics-capable programs: desktop publishers, word processors, video, art, databases, etc. Includes a guide to creating many more images and how to use them in a variety of programs. \$45.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

### Clip Art #3—At Home

Everything in the home—even the kitchen sink. This clip art can be used in all Amiga graphics programs: desktop publishers, word processors, video, art, and databases. It includes a guide to create many more images and how to use them in a variety of programs. Images include plates, cups, silverware, cameras, tables, tools, lights, bookcases, and many more. 800K of data=200 plus images. Various styles and sizes. \$30.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

### Exotic Cars Volumes I & II

A two-disk set featuring two sports car objects. One is a silver bullet modeled for American car enthusiasts. The other borrows from European designs. Perfect for film and video. Features include .SCENE files for LightWave 3D; Imagine objects load perfectly into Cycle Editor; full articulation (movable doors, windows, headlights, mirrors, and wheels); separate lamps may be illuminated; .LoRam (less detailed) objects included. Bump/Color maps for instrumentation, tires, and license plates. Hints and tips for rendering and animating are also included. The Imagine version requires 2MB RAM, 3MB recommended. The LightWave 3D version requires 5MB RAM, 7MB recommended. \$34.95  
*AmiGrafix, Inc., P.O. Box 2063, Apopka, FL 32704-2063; (407) 884-9557*

### Ferrari F40

3-D object on the famous car of the 40th of the Ferrari firm. Five 3-D files on F40: Body-doors, frame, bonnet; Wind screen-front and back windshield, headlight, windows; Wheels-Ferrari rim, tires; Engine-Turbo, gear-box, silencer, radiator; Inside-steering wheel, seat, etc. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB, more recommended.

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France; (011) 3314-237-1644*

### Ghosties-Goulies and Things That Go Bump in the Night

Witch, Ghost, Demon, Grim Reaper, Skeleton, Jack-O' Lantern, Cauldron, Broom. Imagine format only. Movable parts for animation. Hierarchy. Requires 2MB, more recommended. \$49.00  
*Merilyn Scott, 5618 Kiwanis Pl. NE, St. Petersburg, FL 33703; (813) 522-6807*

### Male and Female

Object design disk. Objects are highly faceted for great smoothing, shading, and texture mapping. These objects are of the same number of points and faces for easy morphing in programs like LightWave, Imagine, and Draw4D Pro. Designs are very complete including hair, eyes, ears, and thumbs. Available formats include Sculpt 3D, Sculpt 4D, TurboSilver 3.0, Imagine, Videoscape 3D, Modeler 3D, Lightwave, Draw 4D, and Draw 4D Pro. \$34.95  
*Earthquake Productions & Publishing, 13351 Foothill Boulevard, Fontana, CA 92335; (714) 899-1800*

## Motion & Magic

Europe's largest collection of professionally made 3-D objects. More than 600 3-D objects from technique, biology, geography, architecture, and video clips. All objects available for all Amiga 3-D programs. Most have been designed for German and French video production studios. In Germany's network ARD, some animals are used regularly. PAL/NTSC. U.S. dealers welcome. Requires 2MB RAM min, depending on modeling/rendering software used, 030/040 processor recommended. US \$50-70, DM 69-99.

*Pictures of Oz-Medienproduktion, Hochbruecker Muehle 2-3, D-5140 Aachen, Germany; 011-49-241-151-109*

## Music #1

Drum Combo, Keyboard, Violin, Grand Piano, Old Radio. Sculpt 4D only. Requires 2MB, more recommended. \$49.00

*Merilyn Scott, 5618 Kiwanis Pl. NE, St. Petersburg, FL 33703; (813) 522-6807*

## Omega Face

An intelligent library for 3-D software. Omega Face is a library of 3-D objects, relative to the anatomy of the human face. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). It can be used with AmigaDOS 2.0 and on A500, 1000, 2000, 3000. AL and NTSC available. Requires 1MB. \$45.00

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France; (011) 3314-237-1644*

## Pack Planes WW2

3-D objects on planes of the second World War. Includes: Corsair F4U-1 Chance Vought, Mustang P-51H North American, Spitfire MK V Supermarine, Messerschmitt BF 189 E, Stuka JU 87 B Junkers, Mitsubishi A6M3 Zero, Mig 42 (anticipation), SR 71 Blackbird Lockheed. Accessory: 3-D bombs, images, information, and 3-D insignia for each plane, landing gear. Twenty-two files. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Seven diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB. \$55.00

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France; (011) 3314-237-1644*

## Polyhedra 1.2

Collection of objects representing the geometric solids. Includes the 5 Platonic solids, 10 prisms and anti-prisms, 13 Archimedean solids with their duals, and 5 miscellaneous polyhedra. Objects supplied in several formats: Imagine, TurboSilver, Sculpt, Caligari, LightWave, Draw4D, Geo. Reach into the past for a new, hi-tech look! \$29.95

*Technical Tools, 2 S 461 Cherice Drive, Warrenville, IL 60555; (708) 393-6350*

## Sexy Pin Up I-IV

A series of sexy 2-D clip-art for DPaint II, III, or IV. Brush of cloths, possibility of animation. Can be used on all 2-D software. AmigaDOS 2.0 compatible. PAL or NTSC available. \$30.00

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France; (011) 3314-237-1644*

## Space Craft

Object design disks. Objects are highly faceted for great smoothing, shading, and texture mapping. SpaceCraft object design disks (6-10 disks depending on format) include Rockets, Engines, Fins, Solar Panels, Disk Ships, Ring Ships, Pods, Frames, Tanks, Wheels, Legs, Wings, and several Space Ships ready to fly. Available formats include Sculpt, TurboSilver, Imagine, VideoScape 3D, Modeler 3D, LightWave, and Draw 4D Pro. We ship postage paid on all prepaid orders. Please allow two weeks for personal checks. Calif. residents add 7.75% sales tax. \$39.95

*Earthquake Productions & Publishing, 13351 Foothill Boulevard, Fontana, CA 92335; (714) 899-1800*

## Syndesis 3D-ROM

This is a CD-ROM containing more than 500 3-D models, all converted to formats such as LightWave, Imagine, AutoCAD DXF, 3D Studio, Wavefront, and more. The disc also includes dozens of wrappable bitmaps suitable for texture maps, in formats such as IFF, TIFF, and Targa formats. All objects and images are ready to use and free of restrictions. Format is standard ISO-9660 used by most computer platforms. \$199.95

*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

## TV Objects

TV Objects is a two-disk set of 3-D object files to be used with Amiga 3-D software. TV Objects features both the sculpt and Turbo Silver formats in the same package, 33 objects per format. Interesting geometric shapes include, rib-balls, rib-torus, gears, spiral columns, arrays, and many more. Great for use in surrealistic raytracing, or station I.D.'s. NTSC and PAL supported. Special version including videoscope format for \$59.95. Requires 1MB of RAM, plus 3-D graphics software. \$49.95

*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130; (904) 985-1103*

## Textiles Vols. I-IV

A premier collection of true-color, seamless images for use in 3-D rendering, image processing, page layout, and design packages. Requires floppy drive, 1MB; hard drive and 3+ MB recommended. \$49.95

*Mannikin Sceptre Graphics, Suite 258, 3208-C E. Colonial Dr, Orlando, FL 32803; (407) 644-9547*

## ◆ 3-D/FONTS ◆

### Aegis VideoTitrer 3D

Use VideoTitrer 3D with or without a Genlock device to turn your Amiga into a powerful titling workstation, perfect for desktop video and graphic presentations. The program includes over 20 different font styles, including outlining, drop shadows, and color gradations. Or design your own styles in the program's 'expert mode.' To display and animate your VideoTitrer screens, the presentation system, Lights!Camera!Action! has been included. Use over 40 transitions/special effects including wipes, color cycling, and dissolves with sound and animation. \$159.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see our display ad page 171.**

### Bevel Fonts 3D

Ten more 3-D fonts with bevelled edges. Full international character support. Curves maintain a consistent 3 degrees between points for best possible appearance even when flying through letters. Lower resolutions also available for quicker rendering of words you don't need to get close to. Three customized versions for Lightwave 3D (True Polygons), Caligary 2 (Polygons w/Holes), and Imagine (Triangles). Hard disk required, 68020 plus recommended. \$199.95

*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

### Broadcast Fonts 3D

Now there are two new Master Packs for Broadcast Fonts 3D. Each package contains nine complete 3-D object font sets. Each font set includes upper and lower case, numbers, and 29 punctuation symbols. All objects support phong shading and have been processed with AQPonts system so you can fly through character objects with quick render times and without 'fear of facets.' Master Pack v1.5 now has all enhanced features of the new packs. Each Master Pack is \$149.95. International Pack, with nine fonts from Master Pack 1 and 800+ foreign characters and symbols is available for LightWave 3D and Caligari 2 for \$249.95. Free demo disk with sample LightWave scenes is available. \$149.95

*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

### Broadcast Fonts 3D - Master Pack #1

This package contains 9 professional-quality 3-D typefaces. Each TypeFace contains upper & lower

case, numbers, and 29 punctuation symbols. Separate versions are available for users of Lightwave 3D/NewTek Video Toaster & Caligari. \$150.00

*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

### Broadcast Fonts 3D - Master Pack #2

This package contains 9 professional-quality 3-D typefaces. Each TypeFace contains upper & lower case, numbers, and 29 punctuation symbols. Separate versions are available for users of Lightwave 3D/NewTek Video Toaster & Caligari. \$150.00

*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

### Broadcast Fonts 3D - Master Pack #3

This package contains 9 professional-quality 3-D typefaces. Each TypeFace contains upper & lower case, numbers, and 29 punctuation symbols. Separate versions are available for users of Lightwave 3D/NewTek Video Toaster & Caligari. \$150.00

*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

### Broadcast Fonts 3D - Professional Pack #1

This package contains all 27 professional-quality 3-D typefaces from Maaster Packs 1, 2, and 3. Each TypeFace contains upper and lower case, numbers and 29 punctuation symbols. A complete Phrase tutorial included. Sample scene disk available. Separate versions are available for users of Lightwave 3D/NewTek Video Toaster & Caligari. \$395.00

*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

### Fancy 3D Fonts

Available in Sculpt-Animate Version or Turbo-Silver Version. Each version contains a two-disk set of three proportionally sized fonts called Bold, Ital, and Fanc and emulate the font sets traditionally known as Helvetica Bold, Bookman Italic, and Clarendon Medium. Each font set includes upper case, lower case, numbers (except Bold), symbols, and many international characters. Supports PAL. \$79.95

*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720; (512) 250-0768*

### Masterpiece 3D Fonts for Imagine

50 3-D fonts for Imagine. All include upper case and numbers. 48 also include lower case. Each letter a separate object. Over 3000 objects. \$99.00

*ARock Computer Software, P.O. Box 731, Springfield, MO 65801; (417) 866-8803*

### Masterpiece 3D Fonts in Interfont Format

49 fonts in Interfont Format. Using Interfont, you can quickly create text objects for 3-D programs. Converts to VideoScape, Sculpt, Aegis Draw Plus, Turbo Silver, or Pro Draw. \$99.00

*ARock Computer Software, P.O. Box 731, Springfield, MO 65801; (417) 866-8803*

### SpaceFonts

SpaceFonts is a 3-D library of 3-D fonts. We have 10 typeface families available. The following SpaceFonts are in Imagine, Sculpt, and Real3D format. They include Rhea—Gaudi Oversize, Umbriel—Universe, Pandora—American Type-writer, Deimos—Bauhaus Demi, Charon—Century ShB, Mimas—Eras Bold, Phobos—Helvetica, Oberon—Optima Demi, Triton—Stymei Bold, Titan—Times Roman. SpaceFonts Tool is a font utility for the SpaceFonts which allows you to alter the size, make the fonts italic or embossed in any direction or in any angle. Developed by RGB Software.

*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidoost, The Netherlands; (011) 312-0691-1914*

### Video Clipse v1—3D FONTS

Four 3-D fonts are included in separate versions for Imagine and LightWave Toaster programs. Each font character has three user-definable surfaces (front face, back face, and side). This special design allows for multi-color attributes and diverse texture

## Table of Contents

### How To Use This Guide

### Graphic Arts

#### Desktop Video

#### Word Processing

#### Desktop Publishing

#### Music

#### Education

#### Business & Home Productivity

#### Programming

#### Utilities

#### Entertainment

#### Miscellaneous Software

#### Drives

#### Memory Expansion

#### Video Toaster

#### Video Hardware

#### Accelerators

#### Miscellaneous Hardware

#### CDTV

#### Accessories & Services

#### Books & Tapes

#### Freely Redistributable Software(FRS)

#### Cat Fish FRS Index

#### Fred Fish FRS Index

#### AMICUS FRS Index

#### AC's Back Issue Index

#### Vendor/Product Registration

#### User's Groups

#### Index of Advertisers

#### Vendor Information

#### Product Index by Product

#### Product Index by Vendor

#### Category Index

#### Last Minute Additions

# Graphic Arts

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

mapping possibilities. Spanish characters included. NTSC/PAL compatible; available for foreign distributors. Requires 3-D and Imagine or LightWave programs. Fonts can be converted to other 3-D formats using Interchange from Sundsis. Available in Spanish. \$49.95  
*Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410; (407) 626-3447*

## image fonts 01

A new set of 3-D fonts designed for use with imagine. This 3-disk set includes four styles of one typeface. Styles are Plain edged face, Chisel edged face, Bevel edged face, and Emboss edged face with plain edged center (two piece font). These 3-D object fonts support phong shading for smooth curves, but are designed to allow for sharp, clear edges. Characters are caps A-Z and numbers 0-9. \$29.95  
*CRG Productions, P.O. Box 9, Mantachie, MS 38855*

## ◆ 3-D/UTILITIES ◆

### 3D Studio Converter

The 3D Studio Converter works within InterChange to share 3D Studio. 3DS models and .MLI material libraries with any other 3-D file format such as LightWave, Imagine, etc. All hierarchy information and most material attributes are translated accurately to and from any other 3-D formats supported in the InterChange Plus system. The package also includes a freely distributable PC program for converting between DXF and 3D Studio formats. This converter is newer and more fully featured than the TIO 3D Studio Converter that is part of the Video Toaster 2.0 system. Requirements: InterChange Plus. \$150.00  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

### Aegis Pro/Motion

Designed for use with Aegis VideoScape 3-D, Pro/Motion takes all of the guess work out of motion definition. Using a simple visual interface, design complex motions with effects such as wind, gravity, and magnetism. Position light sources and cameras exactly where you want them—on the screen! Preview motions in real-time without waiting for an animation to be rendered! Workbench 2.0 compatible. \$99.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
**Please see our display ad page 171.**

### AutoCAD DXF Converter

This converter works with InterChange Plus, making it possible to exchange 3-D models with Autodesk's popular DXF format used by many 3-D modeling and CAD workstation programs. It gives great flexibility in translating pen and layer information as either color or hierarchy information in other 3-D formats. It also creates DXF files that preserve hierarchy and surface information and also makes 2-D side views on any 3-D object. Requirements: InterChange Plus. \$150.00  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

### CineLink™

CineLink™ can control high-quality digital film recorders directly from any Amiga with an A2091 or compatible disk controller. Supported film recorders include Lasergraphics, LFR/LFR Plus, and the Presentation Technologies Montage FR1. Up to 4000 lines of resolution may be output to 35mm slide, instant, 4 x 5 print and transparencies, and 16mm or 35mm bulk, pin-registered motion picture film backs. Requires 1MB. \$299.95  
*Active Circuits, Inc., 2175 Highway 35, #8-R, Sea Girt, NJ 08750; (908) 974-1616*

### DigiWorks 3D

This product will take digitized images, the latest in Amiga characters and clip art, or 2-D graphics from painting or image processing programs and convert them into 2-D and 3-D objects to be rendered and animated in powerful 3-D rendering programs. A fast polygon fill algorithm has been implemented along with 2-D to 3-D extrusion options so that

objects will be ready to directly load and render in a 3-D rendering program. Specific tools and options include Vertex Level Editing, User-Definable Screen Colors, Freehand Drawing, Absolute and Relative Coordinate Measurements, Adjustable Tracing Accuracy, Output sizing Controls, and much more. \$129.95  
*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720; (512) 250-0768*

### Digital Arts Converter

Like the Wavefront Converter, the Digital Arts Converter understands AOB objects files as well as Digital Arts libraries. Digital Arts software is produced by Digital Arts of San Diego, CA. \$295.00  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

### Essence

Library of over 65 new algorithmic textures for use with Imagine. Range from simple textures like tiling of colored hexagons to complex coloring surface for objects such as clouds, fire and planets. Some included textures are: Counter, Floortile, Fractal Noise, Hex, HueRotate, Mandelbrot, RGBvary, Swirl, Turbulent Transition and Veined Marble. Fully compatible with floating point versions of Imagine 1.1/2.0 and TurboSilver. \$79.95  
*Apex Software Publishing, 405 El Camino Real, Ste. 121, Menlo Park, CA 94025; (415) 322-7532*

### InterChange Plus

InterChange Plus is a professional system for translating between 3-D model file formats such as LightWave objects and scenes, Imagine, Turbo Silver, Vista DEM, VideoScape, Sculpt, PAGRender, CAD-3D, ImageMaster/SHAPE, Professional Draw, and Aehis Draw. It also includes tools for scaling, grid-snapping, and point reducing objects, as well as the InterFont system for automatic generation of 3\_D text objects from outline fonts. Attributes such as color, specular, and hierarchy are translated with the utmost fidelity. With add-on Converters, the InterChange Plus System can be expanded to translate other 3-D formats. Hardware/Software Requirements: AmigaDOS 1.3, 2.0, or 3.0, 2MB RAM and a hard disk. \$99.95  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

### LightWave Single Frame Utility

This utility gives users of the Toaster and LightWave 3-D the ability to single frame their animations after LightWave has rendered them to the hard drive in IFF RGB format, which is a smaller file size than a framebuffer file. Works with many controllers on the market. \$49.95  
*Compu Animate, 103 W. Almeria Rd., Phoenix, AZ 85003; (602) 254-4668*

### Lissa 1.2

Generates 3-D Lissajous curves for the popular modeling packages. This unique class of graceful, curving objects can be used as flight paths for other objects, backbone of extruded objects, twisted plate outlines, or however virtual sculptor desires. Curves are controlled by sinusoid motions and modulations over a sphere through simple, effective interface window on Workbench screen. Also controlled by ARexx, e.g., to generate series of related curves. Works with any CPU; AmigaDOS 1.3/2.0 compatible. Generates objects for Imagine, TurboSilver, Sculpt, Draw4D, Caligari, LightWave, Geo, Vista. \$35.00  
*Technical Tools, 2 S 461 Cherice Drive, Warrenville, IL 60555; (708) 393-6350*

### RasterLink™ (formerly ImageLink)

RasterLink™ is version 3.0 of ACI's image conversion software for 24-bit color and advanced imaging. Supports Amiga, IBM PC, Macintosh, Next, Sun, and other workstations' image formats. RasterLink basic conversion modules include IFF, Caligari/ Rendition, GIF, Digi-View, Macintosh PICT/PICT2, PC-Paintbrush, Raw RGB, Sun Rasterfile, Truevision Targa, TIFF, Turbo Silver, and the ACS Harlequin Framebuffer. Requires 1MB. ARexx and NTSC/PAL compatible. \$199.95  
*Active Circuits, Inc., 2175 Highway 35, #8-R, Sea Girt, NJ 08750; (908) 974-1616*

### ScapeMaker 3.0

Newly re-written and improved ScapeMaker, now with attractive pushbutton '3-D' look user interface and dual on-screen DEM displays, menus, and ARexx. Converts most Amiga IFF images (320x200 up to 768x592, including lo-res, hi-res, interlace, NTSC, PAL, overscan, and HAM) into Vista digital elevation map (DEM) landscapes for 3-D rendering with Vista, VistaPro, and Scenery Animator. Converts logos, video titles, topographic maps, radar mapping images, photos, paint program graphics, and other images into 3-D landscape files up to 258x258 or 514x514 elevation points as extruded (positive height) or carved (negative depth) objects. Loads and saves landscape files in compressed format. Landscapes can be added to one another, subtracted, incremented or decremented, smoothed, scaled up to 99X, unscaled up to 99X, and logically combined (AND, OR, NEG, XOR, NOT, using ARexx). AmigaDOS 1.2, 1.3, 2.x, and 3.0 compatible. \$3 shipping in North America, \$5.00 abroad. \$64.95  
*MegameM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

### TGALink™

TGA Link™ is an optional module of RasterLink™ (formerly ImageLink) which adds control of 2C Bridgeboard based frame buffers from Truevision, Matrox, and Visionetics. Using TGALink™ and RasterLink™, images may be converted and displayed or rendered directly to these boards in full 24-bit color, then recorded frame by frame to video tape to produce stunning results. \$299.95  
*Active Circuits, Inc., 2175 Highway 35, #8-R, Sea Girt, NJ 08750; (908) 974-1616*

### TIO Imagine Converter

The TIO Imagine Converter works inside LightWave, making it possible to load Imagine and Turbo Silver objects directly from within LightWave's Load Object interface. Models made in Imagine become single LightWave objects without any translations steps. All colors and surface information are translated to LightWave surfaces. Requirement: Video Toaster 2.0 software. \$49.95  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

### The Hot-Key Authority

The ultimate tool kit for Imagine and Turbo Silver 3.0SV users. Three selectable configuration files for Imagine: SuperFast, normal and PhotoRealistic renderings. New Hot-Keys assigned for maximum productivity. Printed and laminated Hot-Key charts for both Imagine and Turbo Silver 3.0SV. A disk filled with P.D. and shareware utilities and programs for the 3-D artist. Turbo and Imagine tip files. \$6.95  
*Tim Donley, 4556 Whitewood Ave., Long Beach, CA 90808*

### Topas Converter

The Topas Converter for InterChange Plus reads and writes the AMF modeling files from Topas, a well-known modeling and animation program produced by CrystalGraphics. Topas is used by many broadcast professionals on most MS-DOS-based video workstations. Requirements: InterChange Plus. \$150.00  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

### Vertex 1.62

Sophisticated 3-D object editor/converter. Offers transparent support for most 3-D file formats. Has intuitive 3-D interface, unique distortion tools (Multiply, Scale Map, Twist, Randomize, Gravity), and many other useful tools. Fast solid models and real time rotating wire frames, free floating hot spot, complete ARexx port, much more. AmigaDOS 1.2-2.0 compatible. NTSC/PAL. Extra RAM suggested. \$40.00  
*The Art Machine, 4189 Nickolas, Sterling Heights, MI 48310; (313) 939-2513*

### Wavefront Converter

The Wavefront Converter translates both geometry and surface descriptions in Wavefront obj objects and material libraries, giving near-perfect compat-

ibility between the Amiga and high-end animation workstations—exclusive among Amiga translation programs. Wavefront Technologies of Santa Barbara, CA, produces software used in many network television environments. Other high-end animation programs also use the obj format. Requirements: Includes InterChange Plus. \$295.00  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521; (608) 455-1422*

## X-Kit V1.2

Two-disk set of handy and unusual graphic and 3-D utilities of all types—object editors, wire frame, modulars, ANIM utilities, etc. \$34.95  
*Commotech Computers, 205 8th St., National City, CA 91950; (800) 300-AMIGA*

## ◆ 3-D VIDEOTITLING ◆

## TV GRAPHICS

TV GRAPHICS is a two-disk set video graphics background art to be used in desktop video presentations or professional video applications. Screens include marble, wood, brick, fiber, and decorative backgrounds. Also included are sets of frames for dubbing in external video sources. All screens are created in interlace overscan for direct video work. Backgrounds can be used with multimedia authoring systems, video titling, and paint software. NTSC only. \$49.95  
*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130; (904) 985-1103*

## TV GRAPHICS 2

TV GRAPHICS 2 is the latest in the TV GRAPHICS video clip art series. TV GRAPHICS 2 is a two-disk set of video background art to be used in desktop video. New screens include more marble and wood, carpet, plaster bricks, and many more. All screens are created in interlace overscan for direct video work. Backgrounds can be used with multimedia authoring systems, video titling, and paint software. NTSC only. \$49.95  
*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130; (904) 985-1103*

## Video Effects 3-D

TV Network-style 3-D perspective special effects generator for the Amiga. Creates super smooth 3-D effects using 2-D hi-res IFF pictures. The user controls each picture's 3-D path, speed, tumbles, turns, spins, and zooms, with an interactive real-time wire frame preview. The 3-D extrusion option creates 3-D solid logo from flat text. Super smooth effects playback at 60 fields/sec. \$199.95  
*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800*

## ◆ ANIMATION ◆

## A Twist of Fate

More ANIMbrushes that are subject to stress on all axes, resulting in drastic dimensional aberrations. Can be combined with the Plato ANIMbrushes to create some startling animation scenarios. Three disks of ANIMbrushes and free animation disk. \$39.95  
*Eye/Tower Comm. / Ear/Tower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## Aladdin 4D

Revolutionary 3-D modeling, rendering, and animation software package. Single window editor with wide angle zoom, rotation controls allows viewing of objects from any orientation. Supports powerful modeling/animation tools, polygons of any number of points, lights, paths, wave sources, gases. Paths can be hierarchically linked to control movement/rotation and can have unlimited number of deform levels. Polygons support facet, gouraud, phong shading, attribute lists, texture lists. Texture lists support IFF bitmaps, single frame anims, and procedural textures which can be shingled, projected, cylinder, or spherical mapped as normal, decal, bump, opacity, genlock, reflection and more. Animation preview mode, interruptable z-buffer redraw. Ray traced shadows. Camera mode w/multiple targets. Saves IFF, IFF-24, DCTV, Anim, PDraw clip formats in any size up to 32000x32000. Import support for Videoscape 3D

and EPS files. Direct support for all Amiga modes, HAM8, DCTV, Resolver, Firecracker and OpalVision. NTSC/PAL. Multitasking. Requires 2MB min. AmigaDOS 1.3/2.0/3.0 compatible. Formerly Draw4D-Pro. \$499.00  
*Adspec Programming, 467 Arch St., Salem, OH 44460; (216) 337-3325*

## AsimVTR

This high performance animation storage/playback program combines both frame-accurate editing functions and real-time playback speeds. Lets you record your animation to hard drive, as well as move, save, and load frames. In playback mode provides on-screen VCR-like control panel. Can also be used as a display tool and with AREXX commands, a dedicated storage device. Requires Workbench 2.0. \$89.00  
*Asimware Innovations, 101 Country Club Dr, Hamilton, Ontario L8K 5W4, Canada; (416) 578-4916*

## Digifaces 1,2,3

Animated (ANIMbrushes) eyes, mouth, and other elements combine on screen to produce an entertaining package for Amiga users of all ages. Professional applications include use for video animation, titling, and television bumpers. Price is \$59.95 per set of three disks.  
*Eye/Tower Comm. / Ear/Tower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## Fantavision

Easy-to-use animation for beginners and advanced users. Features object-oriented drawing tools, digitized sound effects, tweening, and transformation. Fantavision can generate 64 intermediate animation images for every frame drawn, resulting in amazing magic motion and special effects. \$79.95  
*Wild Duck, 979 Golf Course Drive, Suite 256, Robnett Park, CA 94928; (707) 586-0728*

**I001: Vistapro Scapes—Potpourri Selection #1**  
 Scenes from Appalachian Trail, Maui, Southern California, and more. Individual scenes. Not contiguous! Two-disk set. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**I002: Vistapro Scapes—Potpourri Selection #2**  
 Scenes from Yosemite, Kings Canyon, and Grand Canyon. Individual scenes. Not contiguous. Two-disk set. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**I003: Vistapro Scapes—Potpourri Selection #3**  
 Scenes from Mt. Whitney, Mt. Shasta, and Grand Teton. Individual scenes. Not contiguous. Two-disk set. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## ImageFX

Powerful software package contains the traditional elements of image processing and editing with high end special effects. Offers variety of tools for digital image processing and retouching. You can use your hard drive to process images larger than Amiga's RAM normally allows. Directly controls many scanners and framegrabbers; new ones are easily added. Full range of drawing modes, many fills, and tools for true color painting. Full animation support, also supports true color, full motion, cinematic morphing. Use exclusive Animation List Editor for complex frame-by-frame editing. Many print-oriented features. Loads and saves all popular file formats. Modular design allows easy expandability. Use built-in scripting or AREXX to reconfigure and even redefine gadgets. \$259.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## Imagine

Imagine is the next generation in rendering animation systems for the Amiga computer system. It is now possible to perform functions on the Amiga

that have been left to much larger computer platforms. In many areas Imagine is capable of functions that are not available on these larger platforms. With the use of 24-bit rendering techniques, Amiga owners can now compete in the world of professional animations at a much lower cost than has been available to date. \$350.00  
*Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444; (612) 425-0557*

## Imagine 2.0

A complete upgrade of the Imagine program. As before, it is possible to perform functions on the Amiga that have been left to much larger computer platforms. In many areas Imagine is capable of functions that are not available on larger platforms. With the use of 24-bit rendering techniques, Amiga owners can now compete in the world of professional animations at a much lower cost. \$450.00  
*Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444; (612) 425-0557*

## L001: Vistapro Scapes—Southern California

Set includes contiguous data at 80, 160, 320, and 640 meters of the southern California area. Approx. Santa Maria North to Mexican border South, and inland to the Salton Sea. 116 degrees West to 121 degrees West and 32 degrees North to 35 degrees North. Contains approx. five times the amount of data as contained on a standard scape set. \$60.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## MakePath 1.0

A motion-editing tool for use with all Vista or VistaPro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline-based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real-time editing capabilities. Simple point-and-click interface. Order direct from VRLI. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## MovieSetter

Novice animation program lets you create action cartoon sequences with full stereo sound, in minutes. Easy-to-use interface allows you to rapidly produce complex animation sequences several minutes long with only 1MB of memory. Use built-in, professionally-drawn movie clip files or make your own 32-color images from within the program. Imports IFF graphics, generates sounds, and attaches stereo sounds to characters. Special features include color cycling, 60 frame/sec. playback, and linear and optical guides to help you create special animation effects. Full overscan lets you save features to your home library. Requires 1MB and only one drive. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## Photon Video Cel Animator

Animates and plays back in any sequence. Allows color and sound synchronization. Continuous play option replays screens in continuous loop. Sound synchronization, color. Fully compatible with most art, animation, and rendering software. \$49.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Plato's Revenge

Twisting and compressing ANIMbrushes based upon the Platonic Solids. Useful in developing interesting animations and segues between scenes, and in discovering the intricacies of 3-D movement. An excellent choice for educational use. Three disks of ANIMbrushes and free animation

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Graphic Arts

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

disk. \$39.95

*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## Real3D v2.0

REAL 3D V2 is a full featured 3D animation, modelling, and rendering program. All professional features expected in a 3D program are included but of special interest is the large collection of very sophisticated features that REAL 3D V2 brings to the Amiga desktop platform: partial animation, collision detection, skeletal control inverse kinematics, CSG and cubic b-spline objects, motion blur, depth-of-field, alpha channel support, field rendering, soft shadows, built in programming language, fully user definable work interface, AREXX support, and much more. Stand-Alone-Render-Engines (S.A.R.E.) are also available for REAL 3D V2. These engines will allow you to model on your Amiga and then export your file to render on additional and/or faster platforms. Platforms supported: Amiga, Sun, DEC, HP, SGI, DMI, Vivid 24, PC (486+). No longer will you have to worry about getting that job done on time. Published by Realsoft KY of Finland. Distributed by Godfrey & Associates. \$699.00

*Godfrey & Associates, 544 Queen Str., Chatham, OT N7M 2J6, Canada; (519) 436-0988*

## Scenery Animator

With Scenery Animator you can easily create photorealistic animations or single frames of real world and fractal terrain with clouds, water, snow, clouds, lakes, and vegetation. Detailed 30-meter USGS data for Yosemite and the Grand Canyon are included, and many more are available. Supports 3-D camera positioning, direction, and zooming. Has a built-in keyframe animation interface that allows straight and curved camera flight paths and automatic tweening. Produces ANIM5, IFF, DCTV and 24-bit IFF files for use with frame buffers. AmigaDOS 2.0 and PAL compatible. \$99.95

*Natural Graphics, 4603 Slate Ct., Rocklin, CA 95677; (916) 624-1436*

## StarsFX™ 2.0

Has graphic control panel for interactively exploring and inventing new starfield animation effects coupled with stereo audio sound effects. Invent your own starfield patterns, record a several-minute-long, mouse-controlled flight path through a starfield, save settings as a preset. Combine groups of starfield patterns into banks for live interactive play, touring and visual effects editing under keyboard control. Almost unlimited variety of effects—wormholes, event horizons; even hosts astro gun for shooting meteors. For amateur home video, professional video production, or live multimedia. Import your IFF sound files for stereo flyby left-right banking effects. AmigaDOS 1.3/2.0 compatible. Hard drive installable. \$49.95

*Pacific Digital FX, 6 Stetson Ave, Kentfield, CA 94904; (800) 800-2448*

## TV Record

TV Record is a 24-bit single-frame recording program which allows access to a VLAN (Video Local Area Network) to control a wide range of professional video equipment. Features include loading and saving sequences; record a series of images whose PATTERN and START/END numbers have been defined, negating the need for repetitive commands; each image or series of images can be recorded during a precise number of frames and at a precise time code. NTSC/PAL. Requires VLAN. UK Sterling £150.

*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

## Take 2

A full-blown line testing animation system. It can be used standalone, loading and saving IFF files or ANIMs from an art package, or to grab images directly from within. Has four levels of animation and four channels of sound. NTSC/PAL. Requires 1MB plus, Workbench 2 compatible. Floppy or hard disk. \$99.95

*Rombo Ltd., 2 Baird Rd, Kirkton Campus, Livingston EH54 7AZ, Scotland; 011-44-506-466-601*

AC's GUIDE™

## The Animation Studio

The Animation Studio is the only full-featured animation and paint program to utilize state-of-the-art cel animation techniques characteristic of Disney-style animation. Features exclusive 'onion skin' technology for viewing multiple cels simultaneously, plus full paint functions, Disney animation tutorials, and a library of Disney character and background art. \$179.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521; (818) 973-4390 sales*

## The Director Version 2

Animation/presentation language compatible with IFF pictures, sounds, and ANIM files. Performs dissolves, wipes, page flipping, and more. Provides full interactive presentations capabilities. \$129.95

*Right Answers, P. O. Box 3699, Torrance, CA 90510; (310) 325-1311*

## The Talking Animator

Easy-to-use page flipper. Lets each frame have its own palette of colors from 4096. Incorporates talking text into any page of graphics to give you the ultimate doodle pad to create stories or cartoons. All documentation on-line; just press the HELP key. Ghosting feature lets you see images from previous pages for graphics placement and smooth animation. The output works well with genlocks. Runs with 512K but 1MB recommended. Shipped with data disk full of animations. \$49.95

*JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369; (612) 424-5464*

## Tomorrow Ships

Rocketplanes and satellites to populate your Amiga galaxy. All of the ANIMbrushes are created in hi-res 8 and 16 colors, and require a 1MB of RAM to use effectively. Two disks of ANIMbrushes and a bonus animation disk. \$39.95

*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## Transporter

An advanced animation control program for sending single frames to video, sequential frame grabbing, rorescoping, time lapse and much, much more. Supports all popular frame controllers and display devices (Toaster, Opal Vision, IV-24, etc.) 2.0 and 3.0 compatible. Call for additional information. \$249.95

*Merlin's Software, Published by Amazing Computers S.E., 1441 E. Fletcher Ave., Tampa, FL 33612; (813) 977-6511*

## Vistapro 3.0

Vistapro 3.0 is a 3 dimensional landscape modeling program which uses real-world data from the US Geological Survey and from NASA. This allows you to accurately recreate and explore landscapes on Earth and Mars in brilliant 24-bit color. New to Vistapro 3.0 is AGA support, natural looking 3-D trees, advanced fractal texturing, buildings, roads and grass, and more. VistaPro 3.0 comes with landscape files for you to explore: the caldera area of Olympus Mons, Mars; half Dome and El Capitan in Yosemite, California; the Carmel/Big Sur area; Crater Lake Oregon; Mt. Adams, Washington; Matterhorn, Switzerland; Mt. Fuji, Japan; Mt. LaDole, the Alps; Mt. Etna, Italy, and more. Other additional capscapes are available separately and are detailed later in this catalog. A simple direct animation utility is included with this program which will produce an animation from camera to target. Wireframe preview mode allows you to view your animation before rendering. VistaPro 3.0 requires an Amiga running under Workbench 2.04 or later with 4MB RAM—AGA models require 6MB RAM. An accelerator is strongly recommended. \$99.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X001: Vistapro Scapes-Mars Equatorial Region

37 degrees West to 117 degrees West; 14 degrees North to 18 degrees South. Valles Marineris, Pavonis Mons, Ascraeus Mons, Tharsis Tholus, Lunae

Planum, Syria Planum, and Sinai Planum. Two-disk set, compressed; interconnected landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X002: Vistapro Scapes—Simi Valley

Cobblestone Mountain to Castaic Lake North; Moorpark West; Topanga Canyon East; Pacific Ocean South. Two-disk set, compressed; interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X003: Vistapro Scapes-Palmdale

Leona Valley North; Saugus West; Pacific Mountain East; San Fernando South. Two-disk set, compressed; interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X004: Vistapro Scapes-Los Angeles

Strawberry Peak North; Northridge West; Whittier East; Pacific Ocean South. Two-disk set, compressed; interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X005: Vistapro Scapes—California Set-Inland Empire

San Bernadino North; Monrovia West; Yucaipa East; and La Habra South. Two-disk set, compressed; interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X006: Vistapro Scapes—California Set-San Diego

San Onofre North and West to Mexican border on South to about 8 miles inland. Some areas along coast not available. Two-disk set, compressed. Interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X007: Vistapro Scapes—California Set-Orange County Area

Brea North; Stanton West; San Clemente East and South. Two-disk set, compressed. Interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X008: Vistapro Scapes—California Set-Yosemite North

Tioga Pass, June Lake, and Grand Canyon of the Tuolumne. Two-disk set, compressed. Interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X009: Vistapro Scapes-Yosemite South

Yosemite Valley, Half Dome, El Capitan, Bridal Veil Falls, Devil's Postpile, and Mammoth Lakes. Two-disk set, compressed. Interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X010: Vistapro Scapes—Kings Canyon National Park

Kings Canyon Monarch Divide, Mt. Pinchot, Mt. Bradley, Mt. Clarence King, Kearsarge Pass, Mt. Williamson, Mt. Baxter, Mt. Brewer, Mt. Silliman, John Muir Wilderness. Two-disk set, compressed. Interconnecting landscapes. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

## X011: Vistapro Scapes-Mineral King

Mineral King, Great Western Divide, Silver City.

# Graphic Arts

Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X012: Vistapro Scapes—Sequoia National Park**  
 Mt. Whitney, Mt. Langley, Inyo National Forest, Kern Peak. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X013: Vistapro Scapes—Grand Canyon A**  
 Marble Canyon, Vermilion Cliffs, Desert Facade, Walhalla Plateau. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X014: Vistapro Scapes—Grand Canyon B**  
 Granite Gorge, Grand Canyon Town, North Rim, Point Sublime, Middle Granite Gorge, Great Thumb Mesa. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X015: Vistapro Scapes—Grand Canyon C**  
 Kanab Plateau, Kanab Creek, Kanab Point, The Dome, Mount Sinyala. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X016: Vistapro Scapes—Grand Canyon D**  
 Lower Granite Gorge, Torowear Point, Lone Mountain, Twin Point. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X017: Vistapro Scapes—San Francisco Bay Area**  
 San Rafael North; Duxbury Point West; Sunnyvale East; Pescadero South. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X018: Vistapro Scapes—Vail, Colorado**  
 Sheephorn Mountain, Vail, West Vail, Eagle River. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X019: Vistapro Scapes—Breckenridge, Colorado**  
 Breckenridge, Quandry Peak, Mt. Lincoln, Mt. Democrat, Twin Lakes Res., Mt. Massive Lakes. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X020: Vistapro Scapes—Aspen, Colorado**  
 Aspen, Snowmass Village, Hunter-Fryingpan Wilderness, Capitol Peak, Maroon Belles. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X021: Vistapro Scapes—Colorado River A**  
 Yuma Arizona, Laguna Dam, Martinez Lake, Imperial National Wildlife Refuge, Cibola Valley, Moon Mountain. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X022: Vistapro Scapes—Colorado River B**  
 Parker Valley, Giers Mountain, Parker Dam, Buckskin Mountain State Park, Lake Havasu, Chemehuevi Valley. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X023: Vistapro Scapes—Colorado River C**  
 Lake Mohave, Mt. Davis, Fire Mountain, Lake Mead National Recreation Area, Hoover Dam. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X024: Vistapro Scapes—Colorado River D**  
 Lake Mead, Arch Mountain, Fortification Hill, Bonelli Landing, Hamblin Mountain, Pyramid Peak, Hells Kitchen. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X025: Vistapro Scapes—Appalachian Trail, Virginia**  
 Shenandoah National Park, George Washington National Forest, Blue Ridge Mountains, Thornton Gap. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X026: Vistapro Scapes—Glacier National Park, Montana**  
 Hudson Bay Divide, Continental Divide, Flattop Mountain, Mt. Wilbur, Logan Pass, Lake Helena, Boulder Ridge, Heavens Peak, St. Mary Lake. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X027: Vistapro Scapes—Snake River, Idaho and Wyoming**  
 Snake and Hoback Rivers, Ramshorn Peak, Bradley Mountain, Wolf Mountain. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X028: Vistapro Scapes—Jackson Hole, Wyoming**  
 Teton Village, Gros Ventre Range, National Elk Refuge, Camp Davis, Targhee National Forest. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X029: Vistapro Scapes—Old Faithful, Wyoming**  
 Jackson Lake, Grand Teton, Teton Range, Grand Teton National Park, Mt. Moran, Jenny Lake, Rammell Mountain. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X030: Vistapro Scapes—Scenic Vistas, Wyoming**  
 Gannett Peak, Flaming Gorge National Recreational Area, Devil's Tower National Monument, and Haystack Buttes. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X031: Vistapro Scapes—Mt. Michelson, Alaska A**  
 Western portion of north coastal Alaska. 69 degrees North, between 144 and 146 degrees West. Two-disk set, compressed. Interconnecting land-

scapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X032: Vistapro Scapes—Mt. Michelson, Alaska B**  
 Eastern portion of X031 region. Unique landscape possibly caused by repeated transit of glaciers. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X033: Vistapro Scapes—Central California**  
 San Luis Obispo, Morro Bay, Lake Cachuma, Big Sur. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**X034: Vistapro Scapes—California Scenes**  
 Lake Arrowhead, Mt. San Geronio, Mt. Baldy. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

**Zoetrope**  
 With Zoetrope, the animation system, you can create magical motion. Its high end features satisfy even the most demanding professionals; its unique layered structure makes it easy to use. You can spin and swoop titles and images through 3-D space, apply computer power to classic 'cel' animation, and overlay/underlay your favorite pictures or animations.  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650*

## ◆ ANIMATION & UTILITIES ◆

**AMIGA-SF**  
 These are the first in a series of over 25 volumes of ANIMbrushes for Amiga science-fiction fans and movie-makers. Each of the disks contains startling hi-res 8- and 16-color SF elements. The first three sets focus upon rockets and other 3-D craft. Future volumes will contain all of the other elements needed to create a full Amiga-produced animated 3-D feature video. Volumes 1A, 1B, 1C: Two disks of ANIMbrush 3-D spacecraft plus an extra are disk of a completed animation. Volumes 2A, 2B, 2C: Two disks of ANIMbrush 3-D spacecraft plus an extra-terrestrial planets and cosmic scenes (HAM) to genlock with your animations. Volumes 3A, 3B, 3C: Two disks of ANIMbrush 3-D spacecraft plus an extra-terrestrial planets and cosmic scenes (HAM) to genlock with your animations. Two disk set. \$69.95  
*Eye/Tower Comm. / Earful/Tower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

**ART DISKS**  
 Each of these 10 disks sell for \$10 each and represents some of the work accomplished by one of the Amiga's most published and prolific artists. The first two were created to demonstrate the PROPS/Scene Generator interface, and the rest cover many subject areas and methods of electronic painting. The entire 10-piece set may be purchased for \$85.00. \$10.00  
*Eye/Tower Comm. / Earful/Tower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

**Aegis Animagic**  
 Animagic lets you perform amazing special effects with both IFF picture files and ANIM-style animations. Create spectacular DVE effects with your favorite pictures or ANIM's from VideoScape 3D, VideoTitler, or Deluxe Paint. You can even design your own unique effects. Using the powerful ANIM editor, the resulting ANIM files can then be edited, enhanced, or spliced together for longer movies. Includes sample animations and pictures and a special math coprocessor version of the program

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Graphic Arts

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

for Amigas equipped with 68020 and 68881 processors. \$139.95  
**Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227**  
**Please see our display ad page 171.**

## Animation Journeyman Starter Kit v1.1

Contains sample objects, including a male human figure, 25 24-bit IFF maps to use on your 3-D objects, and a Tricks and Tapes videotape that assists the new user in getting up the learning curve of the program. \$59.95  
**Anjon & Associates, 714 East Angeleno, Unit C, Burbank, CA 91501; (800) 377-8287 sales**

## Animation Station

Storyboard animation editor for editing and manipulating standard, Op-Code 5 Amiga animations. Thousands of special effects. Combine multiple animations into one, or place one animation on top, behind, at the beginning, or end of another. \$49.95  
**Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555**

## CellPro Version 1.1

Cellular automata art and animation system for particle animation, video tiling, research, recreational computing, algorithmic art, and educational applications. Generates images in up to 16 colors on Amiga 320 x 200 screen (overscan support also included, PAL available). Includes six built-in CA algorithms (Arithmetic, Life, Replicate, and more). Powerful Designer Mode for user-designed two-state CA algorithms with four or eight neighbors (many examples on disk). AutoSave feature for rapid compilation of image sequences for conversion to ANIM files. Load/Save IFF images, Load/Save Designer Mode algorithms. Compatible with Amiga graphics and paint programs. AmigaDOS 1.2, 1.3, and 2.x compatible. \$5 shipping in North America, \$8.00 abroad. \$89.95  
**MegameM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104**

## Cine Back for FreezeFrame Film Recorder

When used with the FreezeFrame film recorder (listed under Graphics Hardware), this cinema back lets you produce professional 35mm animation on your desktop. Features include pin registration, forward and reverse, LCD frame counter and notcher. NTSC only. Requires 512K RAM, one floppy disk. \$5995.00  
**Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501; (310) 618-0274**

## Fractal Movie 3

Fractal animation of pulsating 'cube' Julia Set created with FractalPro in 256-color HAM graphics mode. Animation clip art for use with ANIM generator and editing programs. Includes self-running display program. \$2.00 shipping in North America, \$4.00 abroad. \$10.00  
**MegameM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104**

## FractalPro 4.0

Fractal art and animation system utilizing hi-res HAM 256-color graphics mode to generate Mandelbrot, Julia, 'cube'Mandelbrot, and 'cube'Julia still images and smooth pan, zoom, tween, and cascade animation sequences. Provides 12 types of fully automated animation sequences with four increments of motion (eight pan directions, zoom in/out, tween, and cascade), zoom up to 200 trillion magnification, generate fractal landscape files for 3-D rendering in Vista and Vistapro. Fast 100% assembly language. Includes automatic support for 68020/030 Amigas and overscan support. PAL available. Compatible with HAM paint and animation utility programs. AmigaDOS 1.2, 1.3, 2.x, and 3.0 compatible. \$5.00 shipping in North America, \$8.00 abroad. \$99.95  
**MegameM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104**

## FractalPro 6.0

Enhanced all new FractalPro (upgraded from FractalPro 5.1) with extensive AGA support. Attractive new '3-D' look pushbutton interface. Has all

features of 4.0 and 5.1 and adds new ones: completely optimized fast assembly language for math coprocessor or 68040 to provide 4x-40x speed improvement over 4.0, full-featured ARexx compatibility for remote operation via ARexx script or AmigaDOS script (using supplied JAH command), renders and saves (and can animate) Lo-Res, Hi-Res, SuperHi-Res, MultiSync, and 24-bit IFF images. Amiga ECS resolutions from 320x200 to 1536x480 (NTSC) and 320x256 to 1536x592 (PAL) and MultiSync resolutions from 640x480 VGA to 1280x960 Super72. 24-bit images can be generated in all resolutions including 736x480 (for DCTV and Toaster v.1) 752x482 (for Toaster v.2), 320x200 to 768x482 for Firecracker24 direct rendering. All 12 animation modes supported in all resolutions and coloring modes. All resolutions support HAM, HAM8 and 256-color modes on AGA systems (HAM and 24-bit only on ECS), palette controls and variable-speed color cycling. Ten new fractal formulas, optional post-render script execution, extended color capabilities, selectable color banding width control and four-way VistaPro DEM output capabilities. Direct real-time Firecracker24 rendering, script-operated DCTV conversion 'on the fly.' Also includes ARexx scripts for converting a single 24-bit image into a mosaic of four 24-bit images and compositing to a single ultra-high resolution 24-bit image with AdPro 2.0. Requires math coprocessor or 68040, 1MB minimum, hard drive recommended. AmigaDOS 2.0, 2.1 or 3.0 compatible. PAL capability built-in. Maximum compatibility has been retained for current users of fractal 4.0 and 5.1. \$5.00 shipping in North America, \$8.00 abroad. \$199.95  
**MegameM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104**

## KARA FONTS-STARFIELDS

NTSC/PAL. Animated hi-res NTSC 704 x 480 overscan (PAL: 736 x 580). Starfield backgrounds in three views: front, diagonal, and side. Each comes in two-color version fast loading to dump to video and 16-color palette version to include two different KARA FONTS or one KARA FONT and an included animated object such as an Earth, comet, satellite, or asteroid. Compatible with DPaint 3/4 and other programs that use the ANIM and animbrushes format. Two disks. \$59.95  
**Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177**

## Media Line Animation Backgrounds

All backgrounds are made with standard VideoScape 32-color palette. Works well with other animation packages. The 30 backgrounds are situated in four drawers, Scenic, Textbacks, Structures, and High Tech. Backgrounds are in interlaced lo-res to get maximum resolution and in overscan to eliminate borders when transferring to videotape or film. \$39.95  
**Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650**

## Morphus

A 3-D object manipulation tool for the Amiga. Morphus lets the user manipulate Imagine objects with very precise mathematical control. Some of the effects are: Bend, Twist, Wave, Ripple, Shear, and Oscillate. Morphus was written by Guido Quaroni, an Imagine user and software designer from Italy. \$119.95  
**Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444; (612) 425-0557**

## MovieClips

Additional backgrounds, animations sequences, and sounds for MovieSetter. Can be used with any IFF program. \$34.95  
**Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000**

## OLO Animated Fonts 1

Marmor is a hi-res, eight-color, marble-looking, massive, and impressive font in caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (120 & 140 pts.). Animated version covers letters A-Z in

120 pts. Each animated letter grows from out of dull stone. Then it's illuminated and thereby it lets the beautiful marble pattern appear. There are 49 frames per letter. Comes standard in Ivory-palette with different, suitable marble palettes added. Two disks and a thorough 40-page user manual in English included. Requires minimum of 1.5 MB RAM. AmigaDOS 2.0 compatible. \$59.95  
**ArtoVinjett, Byalus v.65, S12174 Jhov, Sweden; (011) 468-649-7702**

## OLO Animated Fonts 2 (Glider)

Glider is a hi-res, eight-color, metal-looking, attractive and shiny font in lower-case looking caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (108 & 128 pts.). Animated version covers letters A-Z in 108 pts. Each animated letter is exploded into position. The next sequence shows a beam of light traveling through the brim and surface of each letter from left to right with sparkles further enhancing the impression. There are 42 frames per letter and comes standard in sober green/brown-palette with 6 other palettes added. Two disks and a thorough 40-page user-manual in English included. Requires minimum of 1.5MB RAM. AmigaDOS 2.0 compatible. \$59.95  
**ArtoVinjett, Byalus v.65, S12174 Jhov, Sweden; (011) 468-649-7702**

## OLO Animated Fonts 3 (Gold)

Gold is a hi-res, eight-color, gold-looking, clear and exclusive font in caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (113 & 133 pts.). Animated version covers letters A-Z in 113 pts. Initially each letter is blurred with a crude mosaic pattern. This pattern is rotated into position from the distance. The next sequence shows the crude pattern becoming increasingly redefined and the crisp definition of the letter appears. There are 40 frames per letter and comes standard in fancy gold-palette with nine other palettes added. Two disks and a thorough 40-page user manual in English included. Requires minimum of 1.5 MB RAM. AmigaDOS 2.0 compatible. \$59.95  
**ArtoVinjett, Byalus v.65, S12174 Jhov, Sweden; (011) 468-649-7702**

## Spheres 2

Clip art of 3-D lighted, shaded spheres texture wrapped with FractalPro 256-color HAM fractal image. Includes complete ANIM file of rotating fractal sphere and still images for use with HAM paint programs. AmigaDOS 1.2-2.0 compatible. \$2.00 shipping in North America \$4.00 abroad. \$10.00  
**MegameM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104**

## Toolkit for The Director

This disk is packed with features and enhancements to expand the capability of The Director. New wipe routines, a palette selector, a pie chart generator, and more. The new and enhanced BLIT Utility has a powerful interface to help create Wipe, Dissolve, and BLIT operations. It also automates the process of moving an object over a background, generating a complete working script. \$39.95  
**Right Answers, P. O. Box 3699, Torrance, CA 90510; (310) 325-1311**

## WHOOSH!

Three separate sets are offered in the WHOOSH! series. These are multicolored ANIMbrushes in hi-res 8 and 16 colors. All were designed with the Amiga artist and animator in mind, and all play quite well in the video environment. They also genlock well to the user's choice of backgrounds. \$24.95  
**Eye/Tower Comm. / Earful/Tower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293**

## WaveWriter

This product allows you to create Ready-to-Render Lightwave Objects & Scenes for flying logos in less time than ever before. It features a Workbench 2.0

interface with keyboard shortcuts for all functions. A visual display of the current font & phrase allows you to see your work at all times and makes experimenting with typefaces and arrangements a snap. It comes with 6 new 3D Typefaces featuring full international character support. It also works with all Broadcast Fonts 3D for Lightwave 3D. Requires Workbench 2.0 & NewTek VideoToaster/Lightwave 3D. \$130.00  
*Uniti Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

## Will Vinton's Playmation

A true 3-D character animator. All modeling and control is performed with real time 3-D splines. Includes algorithmic textures, reflection mapping, decaling, ray tracing, real time wire frame playback, motion libraries, and many features too numerous to mention. \$299.00  
*Hash Enterprises, 2800 E. Evergreen Blvd, Vancouver, WA 98661; (206) 573-9427*

## ♦ ARTWORKS ♦

### Computer Paintings

Beautiful computer art created with paint and ray tracing programs. The art works are printed as ink jet prints or as cibachromes. All works framed with archival quality materials. These computer paintings have been on exhibit at various galleries in the U.S., including the Copley Society in Boston. \$400-\$1000 plus shipping and handling.  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114; (617) 367-3229*

### FractalShow 1

Self-running slide show of best images from FractalPro: Mandelbrot Sets, Julia Sets, ray-traced texture mapped fractal art in 256-color HAM graphics mode. Great backgrounds or clip art for HAM paint programs. PAL available. \$2.00 shipping in North America, \$4.00 abroad. \$10.00  
*Megagem, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

### Myra's World

Single HAM ANIM ile (requires 1MB memory, completely fills disk) of beautiful woman on whose fingertip appears a fractal world which rotates and vanishes. AmigaDOS 1.2-2.0 compatible. \$2.00 shipping in North America, \$4.00 abroad. \$10.00  
*Megagem, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

### Pro-Quality Clip Art Multi-Screen Collection #1

IFF high-res format images. Symbols V1, cartoons V1, holidays V1, U.S. and world maps. 100% compatible with any IFF Paint, desktop publishing, or desktop video program. Five disks, 450+ screens, each containing six to 12 drawings. \$99.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Pro-Quality Clip Art Multi-Screen Collection #2

IFF high-res format images. Symbols V2, Cartoons V2, Holidays V2, Sports V1, and Animals V1, 100% compatible with any IFF Paint, Desktop Publishing, or Desktop Video program. Five disks, 450+ screens, each containing six to 12 drawings. \$99.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Pro-Quality Clip Art Multi-Screen PreHistoric Animals

Twenty-four IFF high-res screens, each containing six to 12 prehistoric creatures, 100% compatible with any IFF Paint, desktop publishing or desktop video program. \$19.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Pro-Quality Clip Art Multi-screen Airplanes V1

Fifty-two IFF hi-res format screens, each containing six to 12 airplanes—from the early Fokker to the modern F14, with 100% compatibility with any IFF Paint, desktop publishing, or desktop video program. \$19.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

♦ New Product Listing  
 @ AmigaDOS release 2 Compatible (Vendor Verified)

## ♦ CAD ♦

### Aegis Draw 2000 V2.0

A powerful two-dimensional CAD system. Create structured drawings, up to 256 layers of information. Unlimited zoom levels, auto-dimensioning, and the ability to edit any line at any time are just a few of the features that make this program the solution to most CAD application needs. Read and write AUTOCAD files plus PostScript output. \$199.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

Please see our display ad page 171.

### Board Master v1.19

Board Master comes with a full autorouter from netlist and a substantial library of parts and physical styles. High density (two lines between pads) routing is supported, and all boards are design rule checked. Manual routing is also supported, as are trace size changes and host of other PCB features. Netlists are ASCII text and completely human-readable and editable. Comprehensive manual, non-copy protected, reliable, and bug free. Board Master is extremely fast—full screen redraw of packed board occurs in under one second on a stock Amiga. AREXX compatible, requires Floppy or hard drive-based, 68000 thru 68030, with 1.5MB or more. \$99.95

*Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230; (800) 852-6442*

### DynaCADD 2.04

DynaCADD is the most advanced and comprehensive CAD solution available today on the Amiga. DynaCADD designs and details in 2-D and 3-D, reads and writes industry standard DXF file format, and includes export capabilities to all major Amiga rendering packages. These powerful features enable both the professional and the occasional user to design with utmost precision and present their work with flair. DynaCADD's attention to ease of use also drastically reduces the learning curve normally associated with high-end CAD packages. \$995.00

*Ditek International, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2; (416) 479-1990*

### GFX-CAD

This package bundles X-CAD Professional with X-SHELL 3.3 for use with a single dongle. Includes a 200-page manual with illustrations and examples in an easy-to-read format. Also includes free 6-month subscription to X-PRESS! NTSC, U.S. keyboard. Requires 3MB, any Amiga CPU, special library for math coprocessor, AmigaDOS only. No hard drive required (two floppy drives required as alternate). \$369.00

*Grafix Computing, 6680 Wiltsie Road, Panama, NY 14767; (716) 782-2468*

### GFX-CAD 3000

Takes X-CAD 3000 and implements a graphic interface with on-screen menus. Works in the same manner as X-SHELL, only in 3-D. Package includes X-CAD 2D, X-CAD 3D, X-SHELL, Z-SHELL, and 6 months of X-PRESS. NTSC; PAL on request. Requires 3MB RAM, hard disk or two floppy drives. AmigaDOS 1.3/2.0 compatible. \$649.00

*Grafix Computing, 6680 Wiltsie Road, Panama, NY 14767; (716) 782-2468*

### IntroCAD

User-friendly, object-oriented CAD program. Delivers laser-like output on dot matrix printers. \$49.95

*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### IntroCAD Plus

Like IntroCAD, but more powerful. Adds layers, hatching, AREXX support and more drawing tools. Also has user-definable keyboard equivalents. \$99.95

*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### Plans Version 3.0

Professional CAD package for mechanical, architectural and electronic work. Imports DXF 2-D and 3-D, GEO 3-D, HPGL and Draw files. Allows the user to trace bitmap images. Printing features include ability to print to any Preferences supported printer and PostScript output. Supports 2-D and 3-D drawings with parts and named lockable layers. Performs vector based hidden line removal on 3-D objects. Font options include Compugraphic and Plans vector based fonts. Font editing system built in. User configurable plotter support allows plotting to nearly any plotter. Requires 1 Meg, 2.0, FPU optional. \$249.00

*Gary Hale Development, 94340 Horton Rd., Blachly, OR 97412; (503) 925-4130*

### Pro-Board Personal

Entry level PCB (Printed Circuit Board) layout software suitable for small projects and education. Many features provided for production of high quality PCBs, including intelligent, single-trace auto-router. Maze routing algorithm connects two pins through existing trace if that provides lower cost solution. No Net List capability, so Guided Routing is not available as in v2.1 and v3.0. \$99.00

*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621; (714) 447-8792*

### Pro-Board v2.1

Manual Printed Circuit Board (PCB) layout and routing package. Fine Line traces, forbidden areas, up to 18-layer PCBs, identical repeated traces, reads Pro-Net Net lists to quickly and accurately complete your PCB. Modification functions allow Rotate, Swap, Push, Open, Stretch, more. Pro-Lib utility creates nonstandard and SMT devices. Workbench 1.3/2.0/3.0. Special price when purchased with Pro-Net v2.0B. \$199.00

*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621; (714) 447-8792*

### Pro-Board v3.0

PCB automatic routing and placement package. Has features of v2.1 plus auto-routing algorithms. Via optimization, RipUp & Retry, selected auto-routing, plus manual functions to guide, limit, or modify PCB. Auto-place functions group parts, set forbidden areas, orientation, and placement grids. Workbench 1.3/2.0/3.0. Special price when purchased with Pro-Net v2.0b. \$349.00

*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621; (714) 447-8792*

### Pro-Drill v1.0

Drill file generation package. Reads PCB data files created by Pro-Board and generates True-Drill and Excellom drill files for PCB production houses. Specify default pad and Via sizes, then set unique values for individual pins/groups of pins. Can also generate HPGL plot of PCB with each pin marked by size. \$89.00

*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621; (714) 447-8792*

### Pro-Net Personal

Entry level schematic capture package suitable for small projects and education. Provides all features of v2.0B except Post Processing functions (Net List, Bill of Materials, Page referencing, back annotation, error checking, component maps). \$99.00

*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621; (714) 447-8792*

### Pro-Net v2.0B

Schematic capture package. Draw multi-page schematics by calling out library parts and drawing lines. Signal labels, page referencing, gate swapping, error checking, back annotation, and zoned, automatic device label assignment. Net List and Bill of Material generation used by Pro-Board v2.1/3.0 to provide Guided Routing and automatic placement and routing (v3.0 only). Special price when purchased with Pro-Board v2.1/3.0. \$199.00

*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621; (714) 447-8792*

### SpeakerSim V2.1

Package for designing and optimizing loudspeaker systems. Design new systems or optimize existing

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Graphic Arts

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

ones. Analyzes speakers and enclosures via the Thiele-Small model. Features a variety of graphing modes, user-updatable data files, configuration files, full color control 640 X 200 or 640 X 400 screen resolution. Designs first, second, and third order high- and low-pass filters. Print to any Workbench printer, HPGL plotter, or PostScript printer, AmigaDOS 2.0 compatible, ARexx capable; save graphs in IFF format, and more. Requires 512K. \$112.00  
*dissidents, 10325 Woods Road, Utica, NY 13502-9574; (315) 797-0343*

## UltraDesign

Professional CAD system: Auto-Dimensioning, endless layers, full library support, user-definable keyboard commands, and menus. Paste-up module for plotting and scaling single or multiple drawings for output over one or several pages. Easy to use! \$199.95

*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## X-CAD Designer by CADVISION

X-CAD Designer is a full-featured, professional, 2-D design and drafting tool. Ease of use, pull down menus, and a comprehensive tutorial guide the novice through the early stages of learning, while advanced users may configure the system to suit their own needs. \$149.95

*American Software Distributors, 502 E. Anthony Dr., Urbana, IL 61801; (800) 225-7941*

## X-Cad 2000

X-Cad 2000 is ideally suited for the first-time CAD user. Automation of the design of architectural, mechanical, electrical and process engineering drawings is straightforward. Once designs have been completed they may be projected or spun in true 3-D model space and viewed in orthographic, isometric or perspective orientations. NTSC/PAL, AmigaDOS 1.3/2.0 compatible, for all Amigas with 1MB min. \$199.00

*Digital Multimedia Services Ltd, 87, Victor Gardens, Hawkwell, Hockley, Essex SS5 4DY, England; (011) 44-702-206-165*

## X-Cad 3000

X-Cad 3000 with the manual weighing in at a mere 2kg—including Tutorial and Quick Reference Sections—this product offers higher performance for the professional CAD user including: industry standard graphics tablet support, powerful 3-D surfacing commands and automatic hidden line removal. X-Cad 2000 users upgrading to X-Cad 3000 need only pay the difference between the two products. \$599.00

*Digital Multimedia Services Ltd, 87, Victor Gardens, Hawkwell, Hockley, Essex SS5 4DY, England; (011) 44-702-206-165*

## ◆ CAD/PARTS ◆

## Framing & Foundation Library

A set of 45 drawings showing different foundation and framing conditions for wood construction. This two-disk set also contains over 120 parts for use in the creation and modification of construction details, for use with Aegis 2D CAD format programs as well as Aegis 3D and Gold Disk Professional Page programs. \$89.95

*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

## Madrigal Architectural Master Collection DXF

Collection of CAD parts for architectural design. Contains floor plan parts for bath and kitchen room modules as well as furniture parts representing furniture types from beds to desks. For use with CAD and desktop publishing programs using the DXF format standard. Also available in Aegis CAD format. NTSC. \$129.95

*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

## Madrigal Automotive Construction Set, CAD Format

Interactive clip art design system for use with CAD programs supporting DXF standard. Collection contains autos from the U.S., Europe, and Asia.

Includes sedans, sports cars, coupes, wagons, hatch backs, pickup trucks, long haul trucks, and vans. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. System design gives user the power and flexibility to easily examine design options and manipulate ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of automobile design and individual specification sheets. Six-disks. NTSC/IFF format. \$129.95  
*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

## ◆ CAD/UTILITIES ◆

## PlotPrint

Transforms vector-oriented pen-plot data files created by CAD/scientific/spreadsheet programs into high-resolution bitmaps that allow any graphics printer to be used instead of an expensive pen plotter. Features include full HPGL interpreter that translates all HPGL commands. Compatible with all printers; works in all resolutions; any size printout; handles any drive configuration; Intuition; 50-page manual; interactive or batch modes. Prints B size drawings (11 x 17) directly with wide printer or in two panels with narrow printer. \$50.00

*Hi Tech Graphics, P. O. Box 446, Tallmadge, OH 44278; (216) 633-7966*

## PlotPrint Version 2

68020/68881 version of PlotPrint. AmigaDOS 1.2-2.0 compatible. \$50 for 68000. \$60 for 68020/030 881/882. \$60.00

*Hi Tech Graphics, P. O. Box 446, Tallmadge, OH 44278; (216) 633-7966*

## Read4D

This program accepts an Amiga- or Mac-generated Sculpt (Byte-by-Byte) file and converts it to .STL format used for rapid prototyping (stereolithography by liquid photopolymer or dry selective laser sintering) processes. You can create your own design with 3-D modeling systems other than Sculpt and convert to Sculpt object or scene formats using file conversion routine such as Imagine to Sculpt 4D via an interchange module by Syndesis. Sculpt not needed to run the conversion; Read4D is a standalone process that just works on the files. Program has options for outputting .STL files as binary or ASCII, scaling dimensions, offsetting origin, and providing diagnostics as to file size, part bounding dimensions, and polygon data. Program and docs on 3.5-inch standard density Amiga disk. Requires 512K min. AmigaDOS 2.0 compatible. STL File Conversion under SERVICES describes how you may try a conversion before you buy. \$375.00

*DFW Prototypes, 1920 Briarcrest Lane, Arlington, TX 76012; (817) 275-2044*

## ReadSOBJ

This program comes in two parts: Part A converts Caligari .SOBJ ASCII files to Sculpt script files. Part B converts Caligari .SOBJ binary files to Caligari .SOBJ ASCII. Make a stereolithography part via Sculpt and Read4D .STL converter shown in another listing. Requires 512K min., AmigaDOS 2.0 compatible. \$37.50

*DFW Prototypes, 1920 Briarcrest Lane, Arlington, TX 76012; (817) 275-2044*

## The ACAD Translator 2.0

The ACAD Translator provides the Amiga user with a much-needed link with the professional CAD market. Translate sophisticated DXF files to Sculpt-Animate or TurboSilver format to produce stunning color image renderings and animations. Also use Amiga translation programs to convert this data into formats for use in Imagine, Lightwave, or other 3-D rendering programs. The ACAD Translator is fully multitasking and is executable from Workbench or CLI and will convert all AutoCAD Rev. 10 and Rev. 9 and compatible files including all 3-D options. Supports PAL. \$179.95

*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720; (512) 250-0768*

## X-PORTER 3.1

X-PORTER translates AutoCAD Revision 10 DXF files to AegisDraw format for use by DrawPRO, Aegis Draw, Taurus XCAD and PageStream programs. X-PORTER also converts XCAD verification format to DXF (for Taurus XCAD customers). The disk includes other translation utilities as well and comes with a 12-page manual. Reduced from \$69. \$59.00

*GrafX Computing, 6680 Wiltzie Road, Panama, NY 14767; (716) 782-2468*

## X-SHELL 3.3

Completely new and improved version. Shuts off the annoying XCAD text interface and uses overscan area of screen to tuck, trim, and compact menus that release the full potential of XCAD Pro. Includes eight main menus that use mouse activated buttons to control everything from symbol attributes and bitmap fill patterns to text character spacing and ellipse orientation. Has 200-page manual useful for both beginners and experienced power users. X-Shell provides standardized base drawings with pre-defined viewports to speed setup time and menus organized into discrete areas of drawing activity to increase productivity and reduce menu pawing. Usable without a flicker-fixer. Reduced from \$199.00 \$169.00

*GrafX Computing, 6680 Wiltzie Road, Panama, NY 14767; (716) 782-2468*

## ◆ GRAPHICS DISPLAY CARD ◆

## AVideo 12

12-bit version of AVideo 24, with many of same features. View 4096 color images in any res on any standard Amiga monitor. Overlay normal Amiga images on top of 12-bit graphics, then further combine them with a video signal using your own genlock. Comes with utility software for image display ad manipulation, as well as 12-bit version of AVPaint. Widely used as display device by touchscreen kiosk and OEM developers. AVideo 12 does not have AVideo 24's animation abilities or TVPaint program. \$499.95

*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

## AVideo 24

Display adapter lets you view brilliant, hi-res 16 million color graphics on any Amiga monitor and play 12-bit animations at up to 25 frames/sec. Outputs crisp, broadcast-quality genlockable signal without using valuable expansion or video slots or interfering in any way with systems using Video Toaster. Also unique: you can overlay normal Amiga images on top of 12- or 24-bit graphics, then further combine them with video using a genlock. Comes with TVPaint, a broadcast-quality 16 million color paint system for creating and real-time editing of IFF24 images from other programs like AdPro, LightWave 3D, Imagine, Pixel 3D, ToasterPaint, and DPaint IV. Also includes AVPaint, a 12- and 24-bit paint package capable of picture compositing effects and text handling. \$999.95

*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

## Black Box Broadcast Quality Graphics System

Ultra high-speed 16.7 million color graphics system with alpha channel. Built in intelligence for handling of 3-D concepts, extrusion, etc. Handles blittering line drawing in hardware at 5 billion pixels per second. Real-time 24-bit 3-D rendering, etc. Supports PAL, NTSC, and SECAM. Requires: Amiga 500 thru 2500, Multisync monitor \$6300.00  
*DJW Microsystems, 50 Belle Vue Road, Shrewsbury, Shropshire, England SY3 7LR; (011) 44-734-4752*

## DMI Resolver B Graphics Co-Processor

Allows for up to 1024 x 768 (double buffered) and 1280 x 1024 (single buffered) resolution on your A2000/3000 series computer. More than quadruples the number of pixels an Amiga can display and vastly improves on standard Amiga picture quality. Utilizes the 60 MHz Texas Instruments TMS34010 16-bit processor chip which dramatically increases the speed of your application and displays 256 colors from a palette of over 16 million. Standard

configuration includes 3MB of Video RAM and 2MB of DRAM. The Video RAM is expandable allowing for the C configuration of the Resolver. With the double buffering option enabled the Resolver has a screen refresh rate of over 60 frames/second, an absolutely amazing number if your applications include real time animation. DRAM is expandable to 8MB and the 1MB of dedicated overlay memory allows for instantaneous menu pull down. Compatible with AmigaDOS 1.3/2.0 and UNIX operating System 5 Release 4. Fully programmable display provides for both NTSC and PAL. Price is for standard configuration. \$1749.00

Digital Micronics, Inc., 2075 Corte del Nogal, Ste N, Carlsbad, CA 92009; (619) 931-8554

## DMI Resolver C Graphics Co-Processor

Brings 1280 x 1024 (double buffered) to your A2000/3000 series computer. More than quadruples the number of pixels an Amiga can display and vastly improves on standard Amiga picture quality. Utilizes the 60 MHz Texas Instruments TMS34010 16-bit processor chip which dramatically increases the speed of your application and displays 256 colors from a palette of over 16 million. Standard configuration includes 5MB of Video RAM and 2MB of DRAM. With the buffering option enabled the Resolver has a screen refresh rate of over 60 frames a second, an absolutely amazing number if your applications include real time animation. DRAM is expandable to 8MB and the 1MB of dedicated overlay memory allows for instantaneous menu pull down. Compatible with AmigaDOS 1.3/2.0 and UNIX operating System 5 Release 4. Fully programmable display provides for both NTSC and PAL. Price is for standard configuration. \$2195.00

Digital Micronics, Inc., 2075 Corte del Nogal, Ste N, Carlsbad, CA 92009; (619) 931-8554

## DMI Resolver Graphics Co-Processor

Allows up to 1024 x 768 resolution on your A2000/3000 series computer. Provides more than three times the number of pixels an Amiga can display and vastly improves on standard Amiga picture quality. Utilizes the 60 MHz Texas Instruments TMS34010 16-bit processor chip which dramatically increases the speed of your application and displays 256 colors from a palette of over 16 million. Standard configuration includes 2MB of Video RAM and 2MB of DRAM. The Video RAM is expandable allowing for either the B or C configurations of the Resolver. DRAM is expandable to 8MB and the 1MB of dedicated overlay memory allow for instantaneous menu pull down. Compatible with AmigaDOS 1.3/2.0 and UNIX operating System 5 Release 4. Fully programmable display provides for both NTSC and PAL. Price is for standard configuration. \$1295.00

Digital Micronics, Inc., 2075 Corte del Nogal, Ste N, Carlsbad, CA 92009; (619) 931-8554

## FIRECRACKER 24

The FIRECRACKER 24 takes up the normal Zoro slots in the A2000 or A3000; it does not take up the video slot. Certain types of genlocks that work in the video slot of the Amiga may conflict with the use of the FIRECRACKER 24. Please consult your dealer or Impulse if you have any questions regarding internal genlocks. Due to the cost of buying all the different genlocks on the market today, Impulse cannot guarantee operation with any genlock. Impulse has tested the FIRECRACKER 24 with various models; for further information regarding genlock use, please call Impulse and ask for tech support. FIRECRACKER 24 1MB \$1000/2MB \$1500.

Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444; (612) 425-0557

## VIU-CT

VIU-CT is option for professionals with high-end component video equipment. Includes all VIU-S features as well as component Y/R-Y/B-Y transcoding, RGB plus composite sync, VGA-style RGB monitor pass-thru, and RGB plus H and V sync. Bundled with the IV24.

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770

## Video Interface Unit (VIU) for IV24

VIU-S, bundled with IV24, allows user to choose from wide selection of video input/output signals. Features composite video and S-video (Y/C) to RGB conversion, RGB plus sync input, software-selectable video source and signal conditioning, sync detection and generation, automatic signal equalization, external genlock/keyer input/output, LED mode indicators, bus connector.

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770

## Vivid 24 Graphics Co-Processor

Super high resolution graphics rendering engine for A3000 series. Can calculate and render 100,000 Gouraud shaded polygons/sec and display 24-bit color images at resolutions up to 2048 x 2048. 160 MFLOPS, 8-bit alpha channel, 1280 x 1024 non-interlaced, 40MHz TMS34020 graphics processor, four graphics math co-processors, broadcast quality video encoder, 16MB video memory, 8MB program memory, user-programmable resolution. Module upgrades also available. \$2995.00

Digital Micronics, Inc., 2075 Corte del Nogal, Ste N, Carlsbad, CA 92009; (619) 931-8554

## ◆ PAINT ◆

### ACS Harlequin 32-Bit Graphics Package

Offers ultimate in creative paint software for the graphics artist. Simple icon-driven menu system offers user-friendly interface to features that make TV Paint special, as well as corresponding keyboard shortcuts for speedy operation of selected functions and operations. TV Paint contains standard and advanced features.

Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583

### Aegis SpectraColor

Brush ANIMs finally come to HAM! Now, use all of the animation capabilities offered by SpectraColor to produce stunning 4096 color movies. Wrap images around spheres, cubes, even on a contour to provide remarkable graphic effects. Designed by the authors of PhotonPaint, SpectraColor is destined to become the new Amiga HAM standard! Workbench 2.0 compatible. \$99.95

Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227

Please see our display ad page 171.

### Aegis SpectraColor for HAM-E

This powerful HAM paint program now supports Black Belt Systems' HAM-E graphics expansion system. All the features of SpectraColor, including key frame animation with free-hand or straight-line paths; brush wraps; luminosity, density, and light-source direction controls, icon-based point-and-click interface, the easy-to-use color Manager for selecting among the 262,144 colors of the HAM-E system and numerous paint and animation tools, are now available for HAM-E users. Requires 2MB. \$99.95

Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227

Please see our display ad page 171.

### Brilliance

Brilliance is a powerful and intuitive paint package. Features include: well laid-out user interface, extremely fast operations, multiple picture and animation buffers, multiple brushes and anim-brushes, multiple levels of Undo/Redo, real world airbrush, much more. Supports all Amiga graphic modes including 24-bit, 256-color, and 8-bit HAM. Requires 1MB RAM min, more suggested. Some graphic modes require A4000 or AA chip set. \$249.00

Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825

Please see our display ad back cover.

### ChromaPaint

Supports half-bright modes NTSC, PAL and any number of fonts. Use as many screens as memory allows. Features include zoom, brush, color cycling, printing, clip board, and animation genera-

tion features. \$49.95

Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

### Deluxe Paint IV AGA

DeluxePaint now offers more colors and better screen resolution to Amiga owners using Commodore's new AGA chip set. For owners of the A4000 or A1200, DeluxePaint IV AGA now offers 256 color support and access to over 262,000 colors at any resolution, including high-res. The program also reads and converts 24-bit IFF files, supports all Amiga screen resolutions, and includes all the features of its predecessor. DeluxePaint IV AGA requires Workbench 2.04 or higher and at least 2MB RAM. \$199.00

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

### DeluxePaint III with Animation

First in a new class of software that integrates paint with animation. Program actually paints animation by allowing users to AniPaint™ a series of screens the way they would paint a single screen. Also allows user to paint and create with multi-frame Animated Brushes to create animations like birds in flight. Integrates animation with its perspective capability in a feature called Move, which allows user to define a brush, the distance for it to travel, a rotation, and the number of frames for it to move across. Other features include extra-halfbrite support, wrap mode, tint mode, direct overscan, and much more. \$99.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

### DeluxePaint IV

The full-featured Paint and Animation program from EA just got better. Version IV features LightTable, which lets you see through the frame you're currently working on; Metamorphosis, which instantly transforms the shape and image of one brush into any other brush; New Animation Control Panel, whose VCR-style interface means no more searching through the menus for the animation controls you need—just point and click; Color Mixer, to create and choose colors; Stencil Paint Mode for greater control over image processing and manipulation; rich tinting and translucency for special effects; and the ability to paint and animate with all 4096 colors in HAM mode. Upgrade from DeluxePaint III for \$60.00. Kickstart 1.3 or 2.0; Workbench 1.3 and 2.0 compatible. Requires 1MB. \$169.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

### Digi-Paint

Fully utilizes the Amiga's graphic capabilities. Special features include shading, tinting, blending, and complete drawing tools. Closest thing to paint and brush on the market. \$59.95

NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146

### Digi-Paint 3

So much more powerful than Digi-Paint, we skipped a number. New features include full Amiga font support with anti-aliasing of text, an extended set of drawing tools with resizable built-in brushes, and user-controllable 3-D texture mapping. New display features include support for autoscrolling bitmaps up to 1024 by 1000 pixels, user-definable overscan, and changing screen resolutions on the fly. Digi-Paint 3 has been written in 100% Assembly code for the fastest time of any HAM paint program and also features a complete set of keyboard shortcuts for experienced users. Digi-Paint 3 now includes image-processing software available only to Digi-View owners, including the ability to transfer images between resolution modes and display up to 768 x 480, using NewTek's exclusive dithering algorithms for the highest color and picture resolution. \$99.95

NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146

### FernGully-The Computerized Coloring Book

This computerized coloring book allows you to mix and match backgrounds and characters from

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Graphic Arts

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

the film. Create and color the enchanting world of Crysta, Pips, the Beetleboys, and that brain-scrambled fruitbat, Batty Koda. Includes learning guide. NTSC. Requires 512K. European dist. by Accolade Europe, Ltd. Australian dist. by Electronic Arts Pty Ltd. \$29.95  
*Capstone, A Division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900*

## HAM-E Workshop

The first and best paint program for the HAM-E. Paints in HAM-E register mode, providing 256 colors out of 16.8 million. Powerful features include a 10-brush library, anti-aliasing, true polygons (3-22 sides), rays, four point curves, brush masking, color replacing, rub thru, pattern draw, and automatic shadows. Supports page animation and a new technique. Cell animation provides movepaths, unlimited frames, and time synchronization. Page animation synchronizes and times 10-brushes with rotation, movement, acceleration, and fading. Imports and converts standard Amiga pictures and animations. Other features include gradient fill, wrapping, 3-D perspective and more. \$60.00

*Holosoftware Technologies, 1637 East Valley Parkway, Ste. 172, Escondido, CA 92027; (619) 747-0663*

## Home Alone-The Computerized Coloring Book

The fun with Kevin continues...Enjoy dozens of scenes directly from the movie, including the aftershave scene! Print out your favorites to colorize with crayons and markers. An easy-to-use paint program for kids of all ages. Includes learning guide. NTSC. Requires 512K. European dist. by Accolade Europe Ltd. Australian dist. by Electronic Arts Pty. Ltd. \$29.95  
*Capstone, A Division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900*

## Macro Paint

Macro Paint is the first 4096 color hi-res paint program for any Amiga. Macro Paint loads and modifies dynamic hi-res pictures as well as 24-bit pictures. Macro Paint is ARexx compatible and can give or receive an ARexx command. Macro Paint requires 1MB of RAM, but for full-featured use we recommend 3MB of RAM. Macro Paint is a multitasking program and is 2.0 compatible. \$139.95  
*Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045; (215) 337-8770*

## Mega Paint

A 24-bit paint program. Features multi-directional gradient fills with variable dithering, 16.7 million levels of transparency, blending, smoothing, and colorizing. These modes along with an array of drawing tools make creating in 16.7 million color easy. It has the ability to import and export several file formats. With direct control of the Mimetics FrameBuffer, from Mega Paint, you can capture images from video, edit, and re-display them in broadcast quality NTSC.  
*PSEUDO VISION Computer Graphics, 9319 E. Main, Spokane, WA 99206; (509) 926-6623*

## My Paint

My Paint is an easy-to-use, educator-approved and classroom-tested paint program designed especially for children. The interface is entirely based upon intuitive symbols. No reading skills are required. Features include colorful, animated symbols for all tools, a complete 'coloring book' of over 100 pictures, sounds which accompany each picture, multiple brush sizes, special 'surprise' pictures, special effects, color cycling, and more. Included with the program is a series of educational 'coloring book' drawings which teach the alphabet, phonetics, reading skills, and other concepts. \$49.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278; (213) 542-2226*

## Photon Paint 2.0

New features include multiple swap pages that can be run by special animation function, alternative drawing sources: rub through, Pantograph, and

brush-patterns; ColorFont support; Cycle Draw. New drawing modes include: And, Or, Xor, Add, Subtract, Maximum, Minimum, Use H, and Use H&S. New tools include air brush with definable spray area, fill polygon tool, and polygonal brush cutter. \$49.95

*Microrollutions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Pix Lib

Pix Lib is a picture conversion and storage program with a library of 995 beautifully drawn pictures—each picture is in 32 colors and is 213 x 145 pixels in size—covering nearly half the screen. It allows you to view and then save any picture in IFF format for immediate use in DeluxePaint I-III, Digi-Paint, and most other popular paint programs. Pix Lib can run simultaneously with DeluxePaint (requires 1MB) so that you can load any picture right away for drawing virtually any imaginable scene or backdrop. \$19.95

*Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821; (800) 272-4601*

## Professional Techniques for DPaint III

The 60-minute tutorial guides the viewer through the popular graphic program, DeluxePaint III, by Electronic Arts. New users, as well as seasoned professionals, are shown step by step how to accomplish cel and brush animation, text manipulation, the 'Move' menu, combining effects, 3-D perspective, short cuts and other effects to achieve spectacular results. Features DeluxePaint creator Dan Siva and Amiga graphic artist Jeff Bruette. \$29.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278; (213) 542-2226*

## Rock-A-Doodle - The Computerized Coloring Book

This computerized coloring book allows you to mix and match backgrounds and characters from the film. Create and color the fairy tale world of Edmond, Peepers, Snipes, and the rock 'n roll rooster Chanticleer. Includes learning guide. NTSC. Requires 512K. European dist. by Accolade Europe Ltd. Australian dist. by Electronic Arts Pty. Ltd. \$29.95  
*Capstone, A Division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900*

## TV Paint v1.6

A 32-bit paint package for the Harlequin Framebuffer. Advanced features include Density Fills, Transparency, Masking, Gamma Control, Smear, Shade, Colorize, Brush Wrapping, Larger-than-Screen editing, multi-format support. A powerful image processing tool offering 16.7 million color palette for designing, re-touching, and manipulating 32-bit images. Includes slide show utility offering 32 video effects. Requires an accelerated Amiga 2000/3000, Harlequin 32-bit Framebuffer, 8MB RAM recommended minimum, OS/2 compatible. NTSC/PAL. Language support for English, German, and French. UK Sterling £800.  
*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

## ◆ PAINT CLIP ART ◆

### Artist Studio 1 Female Nudes

A collection of images and parts of the human female body designed for use by artists in all paint programs using IFF standard. Collection is designed so that the artist may manipulate images, combining and modifying them to create new ones. Images are drawn in perspective for a 3-D effect. NTSC. \$39.95  
*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

### Autumn Colors

A collection of digitized leaves in a splendor of fall colors. They are in interlaced HAM and are ideal for use with your HAM Paint programs or multimedia presentations and desktop videos. NTSC, Workbench 1.3 and 2.0 compatible. Price includes

shipping and handling in U.S.. \$39.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114; (617) 367-3229*

### Couples in the Act of Love

IFF paint format clip art collection designed for the individual interested in romance and the depiction of the act of love. Collection consists of tastefully drawn, dithered, original line art of intimate scenes of heterosexual couples in the act of love. Contains two disks of IFF paint images for use in all Amiga paint programs. Purchaser must be 18 years or older. NTSC. \$39.95  
*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

### EasyClipArt! Christian Images

For Amiga users who want to enhance church programs or Bible research with Biblical-oriented clip art. Collection of DeluxePaint-type brushes can be pasted, stretched, and changed to fit just about any need. Over 50 high-quality brushes ranging from seasonal art to religious symbols. \$24.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803; (205) 881-6297*

### Flowers

These sets are composed of digitized flowers and flower object paintings, and all are formatted to be importable with any program that can utilize Video-Res HAM brushes. The colors are blazing, and the clarity is sharp. FLOWERS #1, two disks priced at \$24.95. About two-thirds of these brushes are original digitized still-video camera objects, while the remainder are carefully designed HAM art brushes. Use them in any environment where flower art is desired. FLOWERS #2, four disks priced at \$34.95. These flower brushes in Video-Res HAM cannot be surpassed anywhere on any system. They wrap around shapes in astounding clarity and brilliance, and offer thousands of possibilities for complementing Amiga visual artwork. They are all original digitizations of real-world natural forms, and are not merely flat surfaces digitized from magazines.  
*EyeFulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

### MGLD.501 Birds In Nature

Four disks containing 30 HAM 352 x 480 images of birds and wildfowl. Species include cardinal, bluejay, purple finch, evening grosbeak, wren, woodpecker, gull, mallard, baldpate, hawk, sparrow, blackduck, and more. This is the first set in the multimedia graphics library disk series designed for commercial art, business presentation graphics, and multimedia work. All images were converted from 24-bit files from original photographic slides. NTSC. \$49.95  
*Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

### MGLD.502 Worldwide Maps

Over 240 files of maps of the 50 states and Puerto Rico, the United States, and the World, area maps of every continent including text and color political maps of major areas. All maps are 640 x 400 or 704 x 480 format. Also includes a Weathermap Construction Kit with weather symbols and U.S. maps with matching palettes. This is the companion set to More Worldwide Maps. NTSC. \$49.95  
*Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

### MGLD.503 More Worldwide Maps

Over 200 drawn maps of the 50 states and Puerto Rico, the United States, and the World, plus area maps of every continent, and globe maps from every conceivable view from space including Arctic and Antarctic views. This is the companion map set to Worldwide Maps. NTSC. \$49.95  
*Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

### MGLD.504 Auto Race Thrills

Thirty-nine digitized and drawn color images and artwork of NHRA dragsters, NASCAR racing, SCCA race cars, dirt racing, race engines, and other racing-related images in 352 x 480 format. All digitized images were converted directly from 24-

# Graphic Arts

bit images. Includes drawn and animated racing flags in hi-res. NTSC. \$49.95  
*Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## Mad Star Ship Construction Set

Collection designed for the science fiction fan who is interested in the great trek-type TV star ships. Collection gives you ship components, primary and secondary hulls, warp engine nacelles, pylons, weapons modules, saucer sections—for classic and next generation federation cruisers, research vessel, and flag ship. Also includes ships from primary adversarial empires. All ships drawn to scale, original line drawings in IFF paint format. Includes ship design pamphlet. NTSC. Workbench 1.3/2.0 compatible. \$39.95  
*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

## Madrigal Architectural Master Collection IFF

A set of floor plan and furniture images in plan view for use with paint and desktop publishing programs. Contains over 500 parts depicted on screen. NTSC. \$59.95  
*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

## Madrigal Automotive Construction Set, General Collection

Interactive clip art design system for use with paint programs, contains four disks of scaled IFF screens of automobiles from the U.S., Europe, and Asia. This collection contains sedans, sports cars, coupes, wagons, hatch backs, pickup trucks, long haul trucks, and vans. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. The system is designed to give the user the power and flexibility to easily examine design options and manipulate ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of automobile design and individual specification sheets. NTSC IFF format. \$59.95  
*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

## Media Line Clipart Disk I

A broad selection of high quality clip art. Able to import IFF graphics. Holidays, Sports, Computers, and Scenery are among the various themes included. Also includes a show utility. Can be used in all paint programs for resizing and modification. \$34.95  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650*

## Oriental Desk Top Art Vol.1-Vol.4

Oriental Desk Top Art are clip art files which can be used in desktop publishing applications on the Amiga Computer. The clip art files are black and white, high resolution (640 x 400) images, in IFF format. Oriental Desk Top consists of four volumes. Vol. 1 consists of 60 general oriental art work. Vol. 2 consists of 84 oriental martial art figures. Vol. 3 consists of 84 oriental folk art work. Vol. 4 consists of 140 commonly used Chinese characters. \$29.95 per volume.  
*Software Integration Solutions, 11027 Twin Pond Terrace, San Diego, CA 92128; (619) 748-3350*

## PROPS

The PROPS disks were created to help the registered owners of Brett Casebolt's Scene Generator software in the construction of complete natural graphic scenarios. In addition, many users have found that these disks of images can also help in a host of design projects for both DTP and videographic use. PROPS #1, two disks for \$24.95: Animals, Trees, and Structures in Video-Res HAM. PROPS #2, two disks for \$24.95: Animals, Habitats, and Vehicles in Video-Res HAM. PROPS #3-'DIGITOWN', three disks of New England rural houses photographed with a digital-still camera, and sold for \$34.95. These images make it possible for the Amiga user to design many rural settings for DTP and video use, as well as for fun. PROPS#4-

'FULL-O-BIRDS', three disks of beautiful full color HAM birds, priced at \$34.95 for the set. These images were scanned from non-copyrighted sources at 200 dpi, and then resized to fit the Amiga screen. The clarity is truly unbelievable, and is a must for DTP and Video Amiga visual experimenters and professionals.  
*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## Secrets of an Artist

Secrets of an Artist is the work of a professional computer artist, C. William Henderson of Los Gatos, CA. On this disk he reveals many formulas and underlying concepts through 22 examples and 10 pages of text. Requires MathVision to run. \$49.00  
*Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368; (206) 385-1956*

## SoftClips

SoftClips Clip-Art is an extensive collection of hires, bit-mapped images that are designed for word processing, desktop publishing, video, and multimedia uses. There are four separate volumes in the collection: Classic Clip-Art, People Clip-Art, Collector's Clip-Art, and Animal Clip-Art. Each four-disk volume contains several hundred useful images. \$79.95 per volume. \$79.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076; (800) 247-8330*

## StoryBook Capitals 3.0

Thirty decorative bitmap alphabets especially designed to live up your desktop and WYSIWYG applications, newsletters, correspondence, posters, signs, and school worksheets. Large decorative capitals and calligraphy fonts ranging from 50 to 180 lines high, displayable in any resolution. They are easily inserted as brushes into paint, desktop and WYSIWYG programs. 512K RAM. \$44.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## The Amiga Coloring Book: Borders

Over 50 borders in IFF format. These can be used with your own materials. \$34.95  
*Dragon Group, The , 148 Poca Fork Rd., Elkview, WV 25071; (304) 965-5517*

## The Amiga Coloring Book: Sampler

Assorted clip art in IFF format. Contains objects ranging from architectural tools to rockets, from birds to locomotives. \$34.95  
*Dragon Group, The , 148 Poca Fork Rd., Elkview, WV 25071; (304) 965-5517*

## The Amiga Coloring Book: World

Maps from around the world in IFF format. Can be used for teaching geography, since maps are outlined, and can be printed without names. A section of the U.S. can also be used for letterhead designs. \$34.95  
*Dragon Group, The , 148 Poca Fork Rd., Elkview, WV 25071; (304) 965-5517*

## Them Cats

A collection of 10 Amiga IFF images of cats in a variety of situations and poses. For the confirmed felineophile. Most are hi-res grayscale pictures, but three are in full color, including two in HAM. Compatible with any Amiga paint, image processing, video, or desktop publishing program. \$15.00  
*Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580; (607) 648-4082*

## ◆ PAINT FONTS ◆

### CALLIGRAPHY FONTS: Paint

Good variety of nordic, Old English, script, and decorative fonts for use with paint programs and WYSIWYG word processing programs. Seven typefaces, three to five sizes of each. Workbench-compatible bitmap fonts 20-120 pixels in size. 512K recommended, 1 or 2MB for largest fonts. Includes lots of Amiga utilities and extensive docs. \$99.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## Floral Animated Fonts

Say it with flowers! Floral animated fonts let any message appear magically inside blooming flowers. Perfect for wedding videos, commercials, and title screens—anywhere you need an attention-getting headline. NTSC/PAL compatible. \$39.95  
*Expert Services, 5912 Centennial Circle, Florence, KY 41042; (606) 371-9690*

## Hangul-Alpha 2.0

Korean word processor with tools for super high-resolution Korean video titles and desktop publishing. Features Korean/English input and output; bilingual menus; saving and loading IFF screens. Includes Han-Bit Titrer, a high-resolution Korean 'titler' for paint and video programs. Also includes Soo-Un Print, which generates publication-quality text on laser and dot matrix printers. 4-disk set, with hangul keytops and Korean/English manual. Requires 1MB RAM, AmigaDOS 2.0 or higher. \$129.95  
*Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751; (512) 452-2441*

## KARA FONTS-AnimFonts® 1

ChromeScript is an eight-color, formal script in caps and lower case, and comes in both a Keyboarded and an AnimFont. Each letter appears to be handwritten across the screen. Additional palettes included along with utility programs to use ColorFonts. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-AnimFonts® 2

Bullion is a dimensional, beveled, highlighted, uppercase, gothic eight-color font, and comes in both a Keyboarded and AnimFont. The AnimFont rotates onto the screen 90 degrees on the Y-axis to the left while a glint of light travels across the face. Also includes additional palettes and utility programs to use ColorFonts. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-AnimFonts® 3

Capsule is a hi-res eight-color metallic, rounded gothic, uppercase contemporary font 'which sparkles on' from the middle revealing characters to the top and bottom. Then, a sparkle goes across each letter from the left to the right. A separate sparkle for custom effects is included. Comes in both keyboard and ANIMFont format with palettes of chrome, gold, metallic, and silver. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-AnimFonts® 4

CHROMEchiselSCRIPT is a hi-res, shiny gothic script ColorFont with caps, lower case with alternate characters (r,z,s,l), numerals, and special characters. Available in 115 point size. Includes both a Keyboarded and an AnimFont which wipes on a static image of letter, then the actual letter is wiped on by a laser-type burn. AnimFont can be used with any AnimBrush-capable program. Keyboard font compatible with ColorFont standard programs. Includes hard drive install program, extra palettes, and utilities to use ColorFonts. Two disks. \$59.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-HEADLINES

Three-disk set. Featuring 10 hi-res, dimensional, up to eight color, uppercase fonts in two sizes each (approx. 104 and 84 pts. high). Font styles in Chrome, Marble, Brick, and Granite are dragable for added 3-D effects. Other styles are Chisel, Wood, Bevel, Cast, Chiselserif, and Column. \$79.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Graphic Arts

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## KARA FONTS-HEADLINES 2

Two-disk set offers four, new, eight-color fonts in two-three sizes each. ChiselScript: Italic script in upper and lower case. Glass: Transparent uppercase gothic face. Engraved: Dragable, uppercase two-plane shiny font. Embossed: Raised or sunken letters on a surface. \$69.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-HEADLINES 3

Four-disk set offers four TOASTER FONTS converted to 8-color, high-res ColorFont standard for compatible Amiga programs. Dimensional-looking styles: CHROMEserif, GOLDEXtrude, GRANITEchisel, and MARBLEbevel. Each style comes in three sizes (approx. 76, 100, 124); every font includes full character set of upper and lower case, numerals, and special characters. Includes hard drive installation program, additional RGB and video palettes, and utilities needed to use ColorFonts. \$79.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-SUBHEADS

Two-disk set. A scaled-down version of Headlines, offers same unique ColorFonts in two smaller sizes (approx. 72 and 55 points.) New sizes allow a greater range of flexibility in titling without having to reduce and makes it possible to use in lower resolutions at a workable size. \$69.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## Media Line Font Disk I

Contains nine different bitmap fonts for the Amiga. Designed for professional use in video presentation, graphics, animation, and desktop publishing. \$34.95

*Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650*

## Professional Font Upgrade

Adds microkerning, dithered fonts, large lower case letters to multicolor fonts, a Preview utility, and simpler directory format to versions 3.5 and lower of the Professional Font Library. Includes five diskettes and an expanded manual. Compatible with popular paint and video programs. Requires registration card on file and 1MB. \$24.95

*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## ◆ PAINT TUTORIALS ◆

### VidZeen Volumes 1 and 2

Each VidZeen consists of a two-hour video tape and a two disk set. The two disks include backgrounds for titles and collages, digitized and hand-drawn brushes, ANIMS and ANIM brushes of people and animals, LED sign font, PalettePlay-a utility designed for manipulating colors in real time, and MBZ\_Crawl to move titles and brushes across the screen and over your background. The two-hour videotape includes information on how to use scaled palettes to create still and animated collages; how to add moving spotlights and realistic shadows to animations; remapping to combine images and create new effects; how to use anim fonts; anti-aliasing and resizing titles; reviews and demos of other DTV-related products; helpful DPaint tips. \$11 each or \$19.50 for both.

*MBZ, 6023 Kilgore Ave., Muncie, IN 47304; (317) 288-0009*

### WJK.1-The Video Producers Learning Disk

Full instructions for beginning and intermediate Amiga-based video producers who wish to see, practice, and learn the most common videographics techniques. Over 40 points are covered, including outlining, resizing, shadowing, thickening, slanting, Texture and Pattern Fills—which teach you how to create patterned backgrounds (you get three), and an introduction to Ordered Dithering. The disk also includes Color Bars, a Grey Scale, and an FBI warning. This disk is used with the

DeluxePaint III program disk (not supplied). Everything is in hi-res, and is applicable to industrial video production. Price: \$8, postage: \$2. \$8.00

*Kronemyer, WJ Associates, 280 East Glen Ave., Ridgewood, NJ 07450; (201) 445-1919*

## ◆ PAINT UTILITIES ◆

### Ham It Up!

Ham It Up! Allows you to display and print all 4096 Amiga colors via sixteen 256-color charts. No HAM paint program is required. Requires 1 MB RAM. \$39.95

*Delta Graphics, 48 Dighton Street, Ste. 2, Brighton, MA 02135; (617) 254-1506*

### ImageFinder v1.1

New version. ImageFinder is a great utility for finding graphic files by looking at miniatures (called thumbnails) of the images in full color or in gray scale. Disk volumes and/or directories are scanned for ILBM, ANIM, GIF, HAM-E, and PCX files to create an index file. Thumbnails stored in index files can be browsed directly or after being sorted. The drawer and file name of a selected image can be automatically entered in the file requester of an application. \$65.00

*Zardoz Software, 12036 Nevada City Highway, Ste. 192, Grass Valley, CA 95945; (916) 274-8311*

### PIXmate

Image Enhancement software system. Features space-age image-enhancement techniques developed for NASA. Performs over 3,000 special effects. \$69.95

*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### Scene Generator

Create realistic, natural looking scenery on your Amiga with Scene Generator. Easy to use menu interface gives you instant access to all of Scene Generator's powerful capabilities. Create everything from a desert to a snow covered mountain peak. Allows control of lightning, snow and water levels, optional clouds, and colors. A preview mode will display a scene in five seconds. Makes great backgrounds for painting or animation. \$49.95

*Natural Graphics, 4603 Slate Ct., Rocklin, CA 95677; (916) 624-1436*

### THE COLOR KIT for Deluxe Paint

Legal color scales for film and video in hi-res; 132 colors in normal Interlace; 488 colors in halfbright Interlace = 720 colors—all at once on the screen and to be used. \$29.95

*Philadelphia Video Lab, Inc., 338 Winding Way, Merton, PA 19066; (215) 664-4955 serv*

### TV Display

TV Display enables you to visualize 24-bit images on your Amiga without a graphic board, and to convert them into another format. You can check your 24-bit images computed in 3-D, display them in black and white, or in color (HAM mode). If you are using a Harlequin Framebuffer, TV Display allows you to display 24-bit images in any format (for example RGB's Sculpt 3D in 2048 x 1366 resolution) on the screen of your board. NTSC/PAL. UK Sterling free.

*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

## ◆ SCIENTIFIC/BUSINESS/ENGINEERING ◆

### AMPlot2

A powerful scientific and technical graph-plotting program designed to produce publication-quality graphs for illustrating documents such as scientific papers. AMPlot2 generates PostScript, EPSF, HPGL, and IFF-DR2D output. Input can be as simple as two columns of numbers, or may include command to define exact format of the graph. All formatting options available through Intuition interface and via ARExx, which also allows direct plotting on the graph. NTSC/PAL. Requires 1MB, two disks or hard disk recommended; AmigaDOS 1.3 or higher, 2.0 required for IFF-DR2D output;

ARExx required for full functionality. \$135.00

*SciTech Software, 23 Stag Leys, Ashlead, Surrey KT21 2TD, England; 011-44-372-275-775*

### APLOT2D

A complete general purpose scientific and analysis 2-D color data plotting package. Incorporates many features including separate data and plotting files, automatic and adjustable graph scaling, menus to modify plot size and plot parameters, linear regression analysis, interpolation (linear or cubic spline) and curve, symbols, and color options. Includes linear, log, polar capabilities, and many additional menu driven features. Version 1.2. Compatible with all Amiga machines, WB 1.2, WB 2.0, and NTSC/PAL formats. \$79.95

*AMIGA Tech Scientific Applications, P.O. Box 201, Los Altos, CA 94023-0201; (415) 960-9399*

### APLOT2D-The Amiga Professional Plotting Package

APLOT2D was carefully programmed in complete modular subroutine form in order to allow other scientific applications codes to be built from the same code routines. The capabilities of APLOT2D are far superior to other existing codes. The ability for the user to control the data and all of the plotting characteristics with menus and the ability to create output in PostScript files for professional quality graphs and plots makes APLOT2D invaluable for scientific use. APLOT2D can also: Plot multiple sets of data pint pairs as separate curves on one plot; Modify plot attributes in every manner possible; Render error bars; Perfrom various forms of data reduction; Save plots in the form of data files, IFF files, postscript files, or graphical output; Create multiple simultaneous plots by multiple executions of the APLOT2D program. The APLOT2D program requires Kickstart 1.3 or 2.04 and at least 1MB RAM.

*Amiga Tech, P.O. Box 201, Los Altos, CA 94023-0201; (408) 756-4268*

### Aplot Library

Lattice C-compatible library of graphics functions for the applications programmer. Supports Scientific/ Engineering/Business charts and graphs. Includes routines for linear/logarithmic, Pie/bar, and polar charts. From simple to complex. \$79.95

*Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431; (513) 427-5439*

### Complex Hooks Disk

The Complex Hooks Disk adds complex and polar arithmetic to MathVision. Disk contains hooks and pictures generated using these hooks. Z=Z3 + sin (z) etc. Requires MathVision to run. \$79.00

*Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368; (206) 385-1956*

### ConvertAplot

Printing/Plotting utility which complements the Aplot library and Engineer's Toolbox applications. Additionally, it can be used stand alone for printing/plotting capabilities with Aegis Draw and Professional Page, Etc. Support HP-GL, Postscript, PCL, Etc. \$49.95

*Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431; (513) 427-5439*

### DataPlot v 2.1

DataPlot graphs 2-D data and user specified algebraic functions, with up to 100 datasets per screen, at any resolution from 320 x 200 to 640 x 400. Screen plots can be printed to any Preferences supported graphics printer, or saved as an IFF file or as an editable macro. Many options are available including log axes, error bars, data point markers, direction of increasing X and Y values, and algebraic operation on the data, which may be in up to 50 columns. Includes AmigaBasic source code. Requires 1MB RAM, 1 disk drive, AmigaDOS 1.3. NTSC/PAL. AmigaDOS 2.0 compatible. \$12.00

*Bytes and Bullets, Route 3, Box 3532, Manchester, TN 37355; (615) 596-2077*

(continued on page 70)

# Desktop Video

## ◆ DESKTOP VIDEO GENERAL ◆

### Strange Garden of Visual Delights

Video Tape, VHS Format. A collection of Aladdin 4-D animations, produced over a two-year period. Original soundtrack  
*EyefulTower Comm. / EarfulTower Prod., 15 Rockdale, Bristol, VT 05443; (802) 453-4293*

### AdClips™ Volume One

Collection of 210 commercial-quality video clips. Available with unlimited, royalty-free, non-broadcast reproduction rights, with broadcast rights negotiated separately. Volume contains 48 minutes of footage, with clips ranging in length from 4-41 seconds. For computer desktop multimedia applications, AdClips® allows users with NTSC or S-VHS video capture boards to cut and paste clips into presentations, without paying for stock footage on a per usage basis. Subjects include: Nature, City Scenes, Historical, Transportation, Wildlife, Recreation, Lifestyles, and Corporate/Industrial. Available in professional formats: VHS, S-VHS, Hi-8, and 8mm. Also available in commercial formats (with an upcharge to cover dubs): 1-inch, Betacam/Betacam SP: \$424, 3/4-inch U-Matic: \$349, M11: \$433, D2: \$639. 5-minute VHS demo: \$9.95 (applied to purchase). PAL available; call for info. \$299.00  
*Mediacom, Inc., P.O. Box 36173, Richmond, VA 23235; (804) 794-0700*

### Aladdin 4D

Revolutionary 3-D modeling, rendering, and animation software package. Single window editor with wide angle zoom, rotation controls allows viewing of objects from any orientation. Supports powerful modeling/animation tools, polygons of any nuMBER of points, lights, paths, wave sources, gases. Paths can be hierarchically linked to control movement/rotation and can have unlimited nuMBER of deform levels. Polygons support facet, gouraud, phong shading, attribute lists, texture lists. Texture lists support IFF bitmaps, single frame anims, and procedural textures which can be shingled, projected, cylinder, or spherical mapped as normal, decal, bump, opacity, genlock, reflection and more. Animation preview mode, interruptable z-buffer redraw. Ray traced shadows. Camera mode w/ multiple targets. Saves IFF, IFF-24, DCTV, Anim, PDraw clip formats in any size up to 32000x32000. Import support for Videoscape 3D and EPS files. Direct support for all Amiga modes, HAM8, DCTV, Resolver, Firecracker and OpalVision. NTSC/PAL. Multitasking. Requires 2MB min. AmigaDOS 1.3/2.0/3.0 compatible. Formerly Draw4D-Pro. \$499.00  
*Adspec Programming, 467 Arch St., Salem, OH 44460; (216) 337-3325*

### AlterImage Video F/X

Desktop video program lets users give a professional touch to their videos by adding titles, graphics, and special effects. With simple hardware configuration consisting of video source such as a camcorder, plus a VCR, and a genlock video interface, AlterImage Video F/X provides users with all the software tools to transform the Amiga into a complete desktop video workstation right at home. The user can choose from a variety of title fonts and colors, plus a complete library of video clip art graphics specially designed for superimposing over video images. Rules, borders, frames, and panels are also easy to create in a full spectrum of colors for added visual excitement. Using the video effects menu, titles can be made to zoom, scroll vertically, or crawl horizontally across the screen. Screen 'wipes' can also be added between scenes to create dramatic transitions. AlterImage F/X is provided on three 3.5-inch diskettes—one contains

program itself, one contains font library, and one contains video clip art library. 1MB required. Note Australian address in Vendor Information. \$199.95  
*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

### AmiLink 2.0 Pro

Frame accurate A/B-Roll/Cuts-Only video tape editing system. Complete control of editing functions using mouse, keyboard, joystick, and trackball. Keyboard layout is industry standard (CMX/GVG). Edit list creation and manipulation (ripple, clean tail, sort by any field, cut and paste, data xfer), import and export CMX 3600 format text list. MS-DOS support. Match Frame edits: Match OUT, AutoMatch Recorder, Match Recorder, Match Source, Location Match, Match Now. Control up to 16 source and four record VTRs. Soft patching for control signal routing. Interformat editing, use both parallel and serial VTRs together. Time Lapse, Single Frame, and recorder-only edits. Serial switcher and multi-GPI control. Open-ended immediate/delayed-roll edits. True delayed B-roll. Special Music Video mode allows editing to the beat of music/dialogue. Cuts-Only Serial \$4380; A/B-Roll Serial \$5994. AmigaDOS 2.0 compatible. NTSC or PAL available. \$4380.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### AmiLink/CI AB-Roll

Controls three VCRs, two sources, and a recorder for A/B-Roll editing with Panasonic AG-1960 video decks. Functionally identical to the professional version of AmiLink 2.0 and AmiLink/VT. Perform advanced edit list based A/B-Roll editing with all the frills of professional post-production systems. CMX 3600 list import/export for off-line editing. Video Toaster control option. Toaster control identical to pro version AmiLink/VT. AmigaDOS 2.0 compatible. NTSC or PAL available. \$1595.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### AmiLink/CI Cuts-Only

Controls two VCRs. A special version of AmiLink 2.0 for the industrial video market. Functionally identical to the professional version of AmiLink. Does everything except split edits. Edit list compatibility with AmiLink and CMX 3600. Edit List creation/auto-assemble. Video Toaster control optional. Operates most Control M and L VCRs and some Camcorders. AmigaDOS 2.0 compatible. NTSC or PAL available. \$995.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### AmiLink/E.S.P.

AmiLink Electronic Support Program. Automated download and de-archive tool for the RGB Technical Support Bulletin Board. This utility program allows registered users of AmiLink who do not have computer telecommunications experience to easily access the RGB TBBS and automatically download and decompress software updates and pd/shareware utilities. Experienced computer telecommunications users will not need this package. It was designed for the video professional who does not have experience with or time for modems and BBs. AmigaDOS 2.0 compatible. NTSC or PAL available. \$100.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### AmiLink/O.L.G.

The AmiLink On-line Editor's Guide. On-line Hypertext documentation, reference and tutorials for the AmiLink family of video tape editing systems. Uses Commodore's new Amiga Guide system. For registered users of AmiLink. AmigaDOS 2.0 compatible. NTSC or PAL available. \$150.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### AmiLink/REMOTE!

Special remote control system for AmiLink/VT. Allows AmiLink/VT to control the Video Toaster from a second (any model) Amiga Computer. AmigaDOS 2.0 compatible. NTSC or PAL available. \$150.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### AmiLink/VT Pro

All of the features of AmiLink 2.0. AmiLink/VT provides integrated control of NewTek's Video Toaster in a post-production environment. One keyboard and mouse control all phases of the creative process. AmiLink/VT runs concurrently with the Toaster in a single Amiga computer. Dissolves, Wipes, Toaster Digital Effects, Digital Video frame stores, and the Character Generator pages are called up automatically when the edit is performed and stored in the edit list. This makes unattended list Auto-Assemble possible. Provides Single-Frame control for recording LightWave animations to tape or optical disk. Recorder only edits for DV1/2, live camera sequencing. Cuts-Only Serial \$4630; A/B-Roll Serial \$6245. AmigaDOS 2.0 compatible. NTSC or PAL available.  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### Animattes: Wedding Series Vol. 1

Collection of self-running graphic routines to use when producing a wedding video. Works on any Amiga/Genlock combination; completely icon driven for easy point-and-click operation. Once the animatte is running there is no worry about remembering which key to hit because hitting any key other than the ESC key will cause the animation to progress to the next appropriate action. Eleven routines to mix and match. Each routine ready to use straight out of the package, or can be personalized by user. Compatible with DeluxePaint III for user modification. Tutorial included in manual gives step-by-step instructions on modifying Animattes. Three unprotected disks. Demo disk \$5. \$39.95  
*Electric Crayon Studios, 3624 North 64th Street, Milwaukee, WI 53216; (414) 444-9981*

### Animattes: Wedding Series Vol. 2

The product of feedback from users of Vol.1. The six completely new routines provide longer and more detailed animations. Animations: Tumbling Blocks, Pouring Champagne Bottle, Self-Unwrapping Gift Box with Alternate Colors, 'morphing' Just Married matte, Church Doors Opening, Opening Heart. Requires minimum 1MB, accelerator suggested. Four unprotected disks. Demo disk \$5. \$59.95  
*Electric Crayon Studios, 3624 North 64th Street, Milwaukee, WI 53216; (414) 444-9981*

### Animax™ Animation Controller Card

The first product to put industry-standard V-LAN control inside your Amiga or IBM compatible.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Desktop Video

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Provides single frame animation control using serial controllable videotape and videodisc recorder. Card fits into any available slot. Features interfaces to all major 3-D graphics and animation software such as Autodesk 3D Studio, TOPAS, and LightWave 3D; software-downloadable V-LAN drivers for all videotape and videodisc recorders; expands to control up to 31 devices on V-LAN network; upgradable to full-featured editing application. NTSC/PAL. Requires one 'AT' bus slot. \$1250.00

*Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111; (800) YES-VLAN*

## AutoPaint

25 Screen Templates that automatically composite pictures using framestores and 24-bit RGB's or IFF's in Toaster Paint. AutoPaint controls Toaster Paint and will shrink and place your pictures where you want them. This program has a simple point and click interface with 3 levels of adjustable auto beveling and drop shadows. Help has arrived - What took hours now only takes minutes. VHS demo tape \$5.00 Requires Toaster and 8 Megs of RAM. \$149.00

*A+ Development, 7970 S. Madison Ave., Burr Ridge, IL 60521; (708) 654-0321*

## AutoPrompt

A scrolling script prompter designed for TV script prompting and information displays. Developed with flexibility, simplicity and speed as the primary design considerations. AutoPrompt has two interleaved components, Prompt mode and Edit mode which can be swapped at will. Prompt mode features, among other things, text mirror imaging, used selectable fonts, an optional message window for passing messages to the reader while scrolling, variable scroll speed and direction, and a continuous mode for use as an information display. The built-in edit mode is an easy-to-use text editor featuring search, replace, place markers, margins, and insert. Text can be imported from either ASCII or IFF FTXT formats. NTSC or PAL. European characters fully supported. AmigaDOS 1.2, 1.3, or 2.0. \$295.00 *DigitSoft, 12 Dinmore Street, Moorooka, Brisbane, Queensland, Australia 4105; (011) 617-277-3255*

## Broadcast Titler 2

The professional character generator of choice for Amiga graphics pros. Features high quality anti-aliased fonts, high performance transition effects, and convenient mouse/keyboard-driven interface. Display 16 colors per text line for up to 320 colors on one high-res screen! Imports IFF brushes and pictures as backgrounds or textfills. Font Converter program included for compatibility with Amiga fonts and ColorFonts. Customizable line effects, automatic SuperGen dissolve control, GPI trigger for external control, and much more. Requires at least 1.5MB RAM. AmigaDOS 1.3/2.0 compatible. NTSC/PAL versions. Totally compatible with the new A-1200 and A-4000. \$389.95

*ImmoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800*

## Broadcast Titler 2 Font Enhancer

Convert any single color Amiga font to Broadcast Titler 2's four level anti-aliased format. The Font Enhancer eliminates the jagged edges found in normal Amiga fonts. Resulting fonts occupy up to five times less memory. Fonts can also be accurately resized to smaller sizes while preserving original detail. An entire family of fonts may be created from one Amiga font. \$169.95

*ImmoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800*

## Broadcast Titler 2/Super Hi Res

Broadcast Titler 2/Super Hi Res contains all editing functions from BT2 in addition to operating in the Super High Resolution mode. Commodore's ECS Super Denise chip doubles the horizontal screen

resolution to a true 35-ns 1472 x 480 pixel resolution. The program's anti-aliased fonts improve the apparent resolution even further. Convert any standard Amiga font to Super Hi-Res with the Font Enhancer. Simultaneously display regular hi-res and Super hi-res on the same page! Requires 1MB chip RAM with 512K fast RAM and ECS Super Denise chip. AmigaDOS 1.3/2.0 compatible. \$499.95

*ImmoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800*

## CyberEdit V1.0

CyberEdit is a complete, user-friendly video editing package. Works with a large number of VCRs and camcorders. High editing accuracy. Supports SMPTE if available. AsSEMBly, Insert, and Freeze Frame edits. Rehearsal mode. Multiple source tape support. Simultaneous player and recorder control. Full Amiga-ized user interface. Fast cut/paste list editing. Mouse-based transport and shuttle controls. Constant visual status feedback. ARexx compatible. Uses Future Video desktop controller. Requires 2MB RAM, AmigaDos 2.0. \$395.00 *Cybercall, Inc., 20 Cleveland Ave., Highland Park, NJ 08904; (908) 249-9883*

## Das Book

Completely re-rendered and revised Wedding Album animation originally found on Animattes Wedding Series Vol.1. This new two-disk animation will automatically combine and install itself in either RAM or hard drive, and run as easily as standard Animatte. Requires 5MB RAM or 3MB and hard disk drive. Accelerator suggested. \$29.95 *Electric Crayon Studios, 3624 North 64th Street, Milwaukee, WI 53216; (414) 444-9981*

## DeluxeVideo III

Provides complete control over Amiga's graphics, animations and sounds. With its visually-oriented interface, DeluxeVideo III adds full integration of sound effects, music, and MIDI to make complete audio-visual presentations. It can be used to create interactive demos, animated cartoons, or other types of video presentations using the full range of Amiga graphics, animation, and sound. These videos can be recorded on videotape or played back through the Amiga. In addition, DeluxeVideo supports object-oriented interactivity for HyperCard™ like flexibility. DeluxeVideo III supports all Amiga resolution modes (including HAM, hi-res, and interlace), super bitmaps, high speed animation, MIDI output, and IFF standard sound and music files, and is the only program that has full DeluxePaint III capability. \$149.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Elan Performer 2.0

For live presentations or cueing imagery for recording tape. Elan Performer 2.0 is the only Amiga program designed exclusively to give you realtime control—just press a key or click the mouse to display more imagery and animation formats than any other program. Full ARexx support including Elan MIDI and recorder. Powerful utilities cut animations into frames, splice imagery into an animation, or convert animations between ANIM and Riff formats. AmigaVision and AmigaDOS release 2 compatible. Requires 1MB RAM. \$149.00 *NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

## Evoked! 1.0

At last, frame accurate editing without investing a fortune. By combining any Amiga, the Sony EVO-9650 VCR and Evoked! controller software; animators, sound recordists, and video producers have a formidable new creative tool. This program brings out all of the EVO-9650's capabilities that are not possible without computer control. With an attractive interface and intuitive placement of controls and functions, Evoked! makes tape transport

control easy and fun. Extensive error checking keeps everything on track and the feedback edit point display is completely accurate and trustworthy. If you need single frame edits, or frame accurate edits, in Composite or S-Video or PCM Digital Audio, but don't need the high price of tape machines that require controller cards, then you need the premeir edit team of the Sony EVO-9650, the Amiga, and Evoked! 1.0. \$99.00 *Ron Richardson, P.O. 52013, Edmonton Trail RPO, Calgary, Alberta T2E 8K9, Canada*

## Feature On A Floppy

A two-disk set packed with over 100 individual forms as used in the motion picture industry to assist in the creation of feature films, television productions, and commercials. Includes script, treatment, synopsis and storyboard formats, daily production reports, breakdown sheets, camera and sound sheets, location agreements, artist- and crew-deal memos, contracts, continuity report, extras details, daily assistant director's report sheet, and more. Each form is supplied with full explanatory notes. ASCII (text) format: \$38.95 U.S.; PPage (v2.0) format: \$48.95 U.S. *Nodette Enterprises Pty., Ltd., P.O. Box 584, Box Hill, Vic 3128, Australia; (613) 808-7036*

## GENamations

Especially designed for Amiga genlock-encoder owners and users, these animated sequences have special Color 0 capacities, allowing the non-Amiga signal to be framed in the animation. They are all in 32-color lo-res overscan, so that users wishing to edit the results will have to use a 'set lace' function in their video software. These are the first of a multiple series of offerings in the GENamations series, and include a dozen useful genlockable animations for seguing scenes and video experimentation. Two disks. \$49.95

*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## JMH Easy Titler 2.0

Version 2.0 accepts additional fonts, uses overscan with all resolutions of IFF screens for backgrounds, and has 54 transitions to take you from screen to screen. This titling package/character generator will autoboot and is ideal for unattended use; it will also allow single stepping through your slideshow to make it the ideal tool for your live presentations. The script for the JMH Easy Titler permits up to 75 screens. \$49.95

*JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369; (612) 424-5464*

## JPEG Deluxe

This collection of JPEG'd images is useful for both texture mapping and video backdrops. Subscribers receive three disks each month. There are from one to three files per disk. Rates based on length of subscription, ranging from six months to three years, and periods in between. Range \$55 to \$240. *EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## Lightworks Graphics Synthesizer

The only program for the Amiga computer which allows the user to create graphic compositions that can be performed interactively and in real time. Lightworks has a fully menu-driven Script Editor, is MIDI compatible, accepts stereo audio input, is video compatible via genlock, and has a facility for creating non-linear animations. Package includes program disk, graphic presets disks, a hardware module, and DB 25 cable. Display NTSC. Requires 2MB. AmigaDOS 1.3/2.0 compatible. \$599.95 *Euphonics, 6984 McKinley St., Sebastopol, CA 95472; (800) 892-3325*

## Mandala® Virtual World Authoring Software

Vivid's Mandala® VR System is a unique multimedia virtual world technology which pulls your image into the computer using a real time video digitizer

# Desktop Video

and camera, giving you hands-free interactive control of multilevel, multistate animations that you view on any video display. You don't have to wear, touch, or hold anything. Just reach out and, through 'video gesture,' trigger visible or invisible icons to bodypaint, score points, manipulate animations, or play music. The software is an authoring package allowing you to create your own interactive video environments. Version 2.0. Compatible with A500/1000/2000/3000. Requires 1MB, A-Squared Live! Video Digitizer board, video camera. Optional hardware: MIDI synthesizer, laser disc player, genlock, chroma keyer. NTSC: \$595, PAL: \$795. *Vivid Group, The, 317 Adelaide St., West Suite 302, Toronto, Ontario, Canada M5V 1P9; (416) 340-9290*

## MediaBase Program

Provides interactive database access to audio-visual segments stored on laser and compact disk, and video and audio tape. Device control and external program execution entries can also be activated. Custom graphical interface screens are available for touch screen kiosk environments. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

## MediaLink 3.0

Multimedia presentation software for combining text, graphics, animation, audio, video and device control into a stand alone or interactive presentation. Supports AGA, various 24-bit cards, incl. IV-24 with PiP, Sunrise 12-bit & 16-bit sound cards, CBM's player device for VTR and Laserdisc control. External applications can be developed and incorporated into MediaLink. For further device control, many external applications are included such as crawl line, CDTV control, CDXL anim player, etc. Requires Kickstart 1.3 or higher, 1MB chip RAM. Distributed in U.S. by Computer Video Solutions, Inc. \$499.00

*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidoo, The Netherlands; (011) 312-0691-1914*

## MediaLink Remote Access Module

Allows un-interrupted and remote updating of MediaLink scripts and data files. Perfect for Cable TV channels, hotel information channels, remote kiosks, etc. Supports Zmodem protocol, scheduled transmissions, remote page editing with PC's, Mac's and Amiga's, and communications via modem, network or VBI data broadcast. Kickstart 1.3 or higher, 1MB chip RAM, 1MB Fast RAM. Distributed in U.S. by Computer Video Solutions, Inc.

*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidoo, The Netherlands; (011) 312-0691-1914*

## MediaPhile Desktop Video System

Create professional audio-visual productions. Perform automatic edits with any prosumer SVHS, Hi8mm, or Beta videodeck or camcorder. Features intuitive graphical interface, preview, insert and assembly edits, special effects including dissolves, wipes, and title overlays; synchronized audio, and accurate SMPTE time code tape positioning. System supports most popular controllers including VISCA, VBOX, Video Director, Future Video, and MediaPhile. Multimedia device control from AmigaVision, Scala, Showmaker, The Director, CanDo, and others is done through AREXX interface to MediaPhile executive library. Programmer's Toolkit also available for Basic and C programmers. Complete systems (computer, video deck, genlock) start at \$2772. \$2772.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

## MediaPhile Programmer's Toolkit

The MediaPhile Executive library provides complete interactive control of video decks, laser and compact disc players, and other infrared-controlled devices.

Function calls allow multiple devices to be controlled via infrared and serial commands sent through MediaPhile controllers. Video tape position and SMPTE time code can be read and updated through library function calls from your application program. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

## MediaPhile Servers Programs

A collection of software interface modules that provide third party programs with control of video decks, camcorders, and laser and compact disc players through MediaPhile controllers. Currently, support is provided for Amiga Vision, Scala, CanDo, The Director, Showmaker, and all AREXX compatible programs. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

## MediaPhile Utility Program Disks & Manuals

MediaEditor™ program included on Utilities disks provides easy-to-use decision list management for video editing. Source video tape is 'logged' in; scenes are previewed and recorded automatically under computer control. Genlock and Toaster control and graphics playback is provided from edit list for title overlays and special effects. MediaController Utility program provides screen icon and keyboard control for editing, titling, and animation recording. TC Gen Utility program generates SMPTE time code directly from computer audio port without need for additional hardware. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

## MediaProcessor Program

This professional edit decision list management program controls over 15 devices, including three player video decks, a switcher, a special effects generator, DAT and audio cassette decks, compact and laser disc players, and a recorder video deck. The perfect choice for A-B roll editing with Toaster control and SMPTE time code tape positioning. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

## Neriki Video Tools on Tap

Designed to multitask with other software and any Amiga. Offers much-needed utilities and effects which can be called up by special hot-key combination. Auto detect, fix of illegal colors, variable fade up/down timing, vertical/horizontal adjustments from keyboard, much more. Has AREXX port so it can perform automated tasks; can also be used as part of automated slide show. Display can be configured to suit particular genlock or encoder. Instruction manual offers video setup procedure, explanations of the color bars, and tips for professional results. For release October 1992.

*Fordray Pty. Ltd., P.O. Box 1265, Orange, NSW, Australia; (011) 61-63-62-9901*

## Olo Backs 1

These are 16-color, hi-res overscan backgrounds intended to support and enhance written foreground text. The intention is to use any professional colorfont, like Kara Fonts or Olo Fonts, that use only the first eight color-registers. Such fonts will easily be applied onto these backgrounds. Olo Backs only use the last eight color registers of all the 16 in each hi-res picture. That leaves the first eight at the disposal of the colorfont and makes it very comfortable and fast to create beautiful screens while still preserving the palettes of both the background and the colorfont. Olo Backs 1 are available in both NTSC- and PAL-format. The two versions are almost identical. Olo Backs 1 consists of two main themes. There are approximately 25 motifs with variations on tubular shapes and 10 motifs with variations on tile shapes. Some motifs have a dazzling 3-D approach whereas others

create a more subtle 2-D background. Note that these pictures require Super Fat Angus. All motifs are supplied with 15 different color-palettes making a total of well over 400 different pictures possible. Two disks and a thorough 20-page user-manual in English included. Requires 1MB Chip RAM minimum. AmigaDOS 2.0 compatible. \$49.95

*ArtoVinjett, Byalus v.65, S12174 Jhov, Sweden; (011) 468-649-7702*

## Olo Backs 2

These are 16 color hi-res, overscan backgrounds intended to support and enhance written foreground text. The intention is to use any professional colorfont, like Kara Fonts or Olo Fonts, that use only the first eight color registers. Such fonts will easily be applied onto these backgrounds. Olo Backs only use the last eight color registers of all the 16 in each hi-res picture. That leaves the first eight at the disposal of the colorfont and makes it very comfortable and fast to create beautiful screens while still preserving the palettes of both the background and the colorfont. Olo Backs 2 are available in both NTSC- and PAL-format. The two versions are almost identical. Olo Backs 2 consists of four main themes. There are approximately five motifs with variations called thread shapes, two on marble, two on diamond, and 10 motifs with variations called fence shapes. Some motifs have a dazzling 3-D approach whereas others create a more subtle 2-D background. Note that these pictures require Super Fat Angus. Marble motifs comes with 10 different palettes. All others are supplied with 15 making a total of at least 275 different pictures possible. Two disks and a thorough 20-page user-manual in English included. Requires 1MB Chip RAM minimum. AmigaDOS 2.0 compatible. \$49.95

*ArtoVinjett, Byalus v.65, S12174 Jhov, Sweden; (011) 468-649-7702*

## Our Wedding

Twenty-five computer graphic still images that your bride has been waiting for. Our Wedding contains full color eMBossed, 3-D, and pastel wash images. Used by both professional wedding videographers and home video enthusiasts to add a touch of class to that most important event. The 24-bit IFF version allows you to choose NTSC or PAL broadcast formats, or any custom resolution from postage stamp size to 2048 x 2048. Compatible with AmigaDOS 2.0. \$89.95 in 24-bit IFF; 69.95 in HAM format. \$89.95

*Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021; (212) 978-8508*

## Patternalia

Wrap patterns for Amiga 3.0 work tiles, digitized natural surfaces, mosaics, and more. Use with the best 3-D/4-D software. 16 disks. \$99.95

*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## Pro Fills Volume 1 V2.0

Pro Fills Volume 1 is a collection of 123 patterns and textures created by a professional graphics artist for use in any Amiga IFF application. Includes 60 palettes for instant color changes allowing 7,380 different backgrounds. The Screen Generator program will render Pro Fills screens in any Amiga resolution up to 10,240x10,240 with seamless matched edges. NTSC/PAL compatible, the Screen Generator is a solid multitasking program with an intuitive user interface. Pro Fills manual includes professional tips, illustrated tutorials, and printed examples of each pattern and texture. Pro Fills will add a professional edge to your video titling, multimedia presentations, and 3-D applications. Requires 512K RAM. AmigaDOS 1.3/2.0 compatible. \$49.95

*JEK Graphics, 12103 S Brookhurst, Ste. E-125, Garden Grove, CA 92642-3065; (714) 530-7603*

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Desktop Video

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## Pro Fills Volume 2

Pro Fills Volume 2 is a collection of 136 patterns and textures created by a professional graphics artist for use in any Amiga IFF application. Includes 60 palettes for instant color changes allowing 8,160 different backgrounds. The Screen Generator program will render Pro Fills screens in any Amiga resolution up to 10,240x10,240 with seamless matched edges. NTSC/PAL compatible, the Screen Generator is a solid multitasking program with an intuitive user interface. Pro Fills manual includes professional tips, illustrated tutorials, and printed examples of each pattern and texture. Pro Fills will add a professional edge to your video titling, multimedia presentations, and 3-D applications. Requires 512K RAM. AmigaDOS 1.3/2.0 compatible. \$49.95

*J&K Graphics, 12103 S Brookhurst, Ste. E-125, Garden Grove, CA 92642-3065; (714) 530-7603*

## Pro Video CG II

Features include six alphanumeric font styles each in nine sizes. Six styles of Cinnamon Fonts (eight color) for the program. All registered owners of Pro Video CG II will receive a Font Conversion Utility. The Utility will convert old Pro Video fonts and standard bit-mapped Amiga fonts. Line sizes from 16 to 144 scan lines. Increment line size and baseline independently, before, after or during the editing of the line. Other features include auto kerning, selectable spacing between characters, a choice of space sizes when the space bar is pressed, and manual kerning for character's offset from the baseline. NTSC only. AmigaDOS 2.0 compatible. Upgrade: \$99.95 \$199.95

*Sheriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## Pro Video Gold

Real-time on-line character generator. Minimum of 100 pages in memory. Two color and four color pattern attached to any font. Four levels of color cycle or flash. Create quick backgrounds, with 100 real-time line and page transitions. Anti-aliased fonts and IFF picture importation requires more than minimum memory requirements. A1000, A500, A2000 WB 1.3 minimum 1MB total memory required. NTSC only. \$169.95

*Sheriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## Pro Video Plus

Real-time on-line character generator. Minimum of 100 pages in memory. Two-color pattern attaches to any font. Four levels of color cycle or flash. Create quick backgrounds, with 100 real-time line and page transitions. IFF picture importation supported with additional memory. English, German and Swedish fonts standard. A1000, A500, A2000 minimum 1MB total memory required. PAL only. \$199.95

*Sheriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## Pro Video Post

Real-time character generator. Anti-aliased fonts, up to 2600 pages in memory. Reduce, enlarge, rotate, and move images for placement. Includes 100 page and line transitions plus 84 digital video effects accessed in real-time. Import IFF images or create quick backgrounds. English, French, German, and Swedish characters standard. NTSC-\$269.95, PAL-\$299.95. Requires 1MB chip and 2MB fast RAM. AmigaDOS 2.0 compatible.

*Sheriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## RG320C RocKey

The RocKey is a keying device which offers capabilities of chroma keying, luma keying, and color splitting. It can be used to create such studio-like effects as overlay, graphic sandwich, key sandwich, graphic window, key window, graphic label, and key thru. It is designed to work with most

genlocks and is available in NTSC and PAL. \$399.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

## Roll'em!

Roll'em! is an automatic teleprompting and titling program. Roll'em! is powerful enough to satisfy the most demanding of professional applications, yet simple enough for the amateur video enthusiast to master! Roll'em! includes a well-documented easy-to-follow manual which is comprised of tutorial and reference sections. Easy-to-follow examples facilitate the fastest user start-up possible. Still credits or titles are also possible. Roll'em! can be operated from the computer, or remotely by the speaker. Use a joystick or a footswitch to control the script. \$149.95

*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

## SCALA 500 Home Video Titler

A complete titling package for the home video enthusiast. A genlock, an Amiga 500, and this program are all you need to add scrolling titles, texts (3-D, drop-shadowed, underlined, etc.), and clip art effects (like talking bubbles) to your home videos. Choose a background or none for genlocked graphics, add text with special screen fonts, add effects and timing and you have a production ready for video recording. Includes hundreds of clip art syMBols and a large variety of special effects. Gives you all you need to bring life to your own home videos. \$149.00

*Scala, Inc., 12110 Sunset Hills Dr., Ste 100, Reston, VA 22090; (703) 709-8043*

## SCALA Video Studio

SCALA Video Studio is both a character generator and a multimedia presentation tool. CoMBines digital sound files, graphics, animations, texts, special effects, screen fonts, and syMBols into a 'looping' or an 'interactive' presentation. Program comes on eight disks which include artist-designed backgrounds, syMBols, layouts, palettes, and very large fonts. Text features include real time antialiasing of fonts and brushes, super imposition, 80+ wipes, buttons, 3-D, tilt, underlining, drop shadows, layout templates, palettes, syMBols, animation pre-loading/playback and continuous title scrolling. Provides an easy-to-learn interface with three user levels. Output can be run from the screen or transferred to different media for exciting video presentations and effects. \$295.00

*Scala, Inc., 12110 Sunset Hills Dr., Ste 100, Reston, VA 22090; (703) 709-8043*

## Screen-Maker 2.2

Re-release of the 100 deep-color broadcast background images at a more affordable price. Using compression format techniques, 25MB of data is now stored on only four disks, instead of the original 36. When you choose an image to display, the file automatically decompresses it. You can choose NTSC or PAL broadcast formats, or any custom resolution from postage stamp size to 2048 x 2048. All images were created on mainframe broadcast computers and digitally transferred to meet Amiga's 24-bit IFF color specifications. AmigaDOS 2.0 compatible. \$99.95

*Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021; (212) 978-8508*

## Screen-Maker Top 40 HAM Images

Forty digitally reformatted images from the 24-bit IFF version of Screen-Maker. Allows users to take advantage of the images that were conceived on broadcast mainframes, and then transferred to conform with Amiga HAM color specifications. \$79.95

*Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021; (212) 978-8508*

## Simpatica

A professional, single-frame video rendering system which allows all Amiga and 24-bit graphics to be laid down on video frame by frame. Also features image-based editing system, video tools (clock, color bars, etc.), deck dynamic motion control, onscreen time code or control track, stop motion system. Complete plug and go hardware and software package. A must for all video studios. NTSC and PAL compatible. Looking for overseas distributors. Requires A2000 and hard disk, minimum 2MB RAM. Video deck must support Sony S9 Protocol, i.e., Sony V09850 deck. AmigaDOS 1.3 and 2.0 compatible. \$1700; £995.

*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA; (011) 4445-555-8282*

## Smooth Talker

Smooth Talker is a prompting program and controller for use on any Amiga. It produces a full screen prompting display which can be vertically scrolled in either direction using the remote control to smoothly vary the speed. Any Amiga font can be used, displayed as black or white or the reverse. The script may be imported from a WP/ASCII file, or prepared and marked up using the built-in editing facilities. Auto PAL/NTSC switch. Requires 512K, one disk drive, AmigaDOS 1.3/2.04. Price (includes remote control): \$200, £120. \$200.00

*Zen Computer Services, 2 Silver Birch Grove, Swinton, Manchester M27 1FS, England; (011) 4461-793-1931*

## TV\*SHOW V2.0

The famous special effects slide show generator is better than ever. Now it's your graphics, animation, and sound slide show generator. Performs wipes, reveals, pushes, and more. Add speech. Many features. Now supports ANIM's and digitized sound. AmigaDOS release 2 compatible. Recommended 1MB RAM, two disk drives or hard drive. Users of the original TV\*SHOW can upgrade to TV\*SHOW Version 2. \$99.95

*Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015; (602) 246-4238*

## TV\*Text Professional

Produce eye-catching lettering and graphics for video titling and desktop presentations. TV\*Text Professional's package contains a program disk, three font disks containing Zuma Fonts Volume 1, 2, and 3, and a 220-page spiral-bound User's Guide. With a click of your mouse, TV\*Text Professional renders text, shapes, and objects in any nuMBer of colorful and dazzling styles. Full IFF image compatibility means you can use TV\* Text Professional with variety of graphics and animation programs, including TV\*SHOW™ special effects slide show program. Users of the original TV\*Text can upgrade to TV\*Text Professional and should contact Zuma Group for further information. AmigaDOS release 2 compatible. Recommended 1MB RAM, two disk drives or hard drive, preferences supported printer. \$169.95

*Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015; (602) 246-4238*

## Texture City CD-ROM Image Library Pro 100 #1

True color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, quarry marble to metals, hand-blown glass to special effects, and more. Each image severe overscan sized and compressed in the latest JPEG compression format. Complete library on CD-ROM provides you instant access to Targa, TIFF, PCX, and IFF file formats. Over 400MB of professional images. The CD-ROM contains 13 categories with 100 completely different images in each format. 2.0 Toaster compatible. AmigaDOS 1.3/2.0 compatible. CD-ROM in ISO9660 format. \$199.95

*Texture City, 3203 Overland Ave., #6157, Los Angeles, CA, 90034; (310) 836-9224*

# Desktop Video

## Texture City Image Library Pro 15 #2 24-Bit

Hi-res true color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects, and hundreds more. Each image severe overscan sized and compressed in the latest JPEG compression format. Integrated decompressor and viewer utility included. Viewer lets you browse entire image library at click of button. Images may be used for video backgrounds and tiling, with 3-D design and animation programs for image mapping and in-print layout programs. Set includes 15 individual full screen images in four separate categories. Totally different images than those in the other 24-bit sets. NTSC and PAL. Toaster compatible. Requires A500/2000/3000, 2MB min., hard disk. Accelerated machine recommended. AmigaDOS 1.3 and 2.0 compatible. \$119.95  
*Texture City, 3203 Overland Ave., #6157, Los Angeles, CA, 90034; (310) 836-9224*

## Texture City Image Library Pro 15#1 24-Bit

Hi-res true color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects, and hundreds more. Each image severe overscan sized and compressed in the latest JPEG compression format. Integrated decompressor and viewer utility included. Viewer lets you browse entire image library at click of button. Images may be used for video backgrounds and tiling, with 3-D design and animation programs for image mapping and in-print layout programs. Set includes 15 individual full screen images in 11 separate categories. Totally different images than those in the other 24-bit sets. NTSC and PAL. Toaster compatible. Requires A500/2000/3000, 2MB min., hard disk. Accelerated machine recommended. AmigaDOS 1.3 and 2.0 compatible. \$119.95  
*Texture City, 3203 Overland Ave., #6157, Los Angeles, CA, 90034; (310) 836-9224*

## Texture City Image Library Pro 60 #1 24-Bit

Hi-res true color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects, and hundreds more. Each image severe overscan sized and compressed in the latest JPEG compression format. Integrated decompressor and viewer utility included. Viewer lets you browse entire image library at click of button. Images may be used for video backgrounds and tiling, with 3-D design and animation programs for image mapping and in-print layout programs. Set includes 60 individual full screen images in 13 separate categories. Totally different images than those in the other 24-bit sets. NTSC and PAL. Toaster compatible. Requires A500/2000/3000, 2MB min., hard disk. Accelerated machine recommended. AmigaDOS 1.3 and 2.0 compatible. \$199.95  
*Texture City, 3203 Overland Ave., #6157, Los Angeles, CA, 90034; (310) 836-9224*

## Texture City Image Library Pro 60 #2

Hi-res true color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, space images to metals, water to special effects, and hundreds more. Each image severe overscan sized and compressed in the latest JPEG compression format. Integrated decompressor and viewer utility included. Viewer lets you browse entire image library at click of button. Images may be used for video backgrounds and tiling, with 3-D design and animation programs for image mapping and in-print layout programs. Set includes 60 individual full screen images in 13 separate categories. Totally different images than those in the other 24-bit sets. NTSC and PAL. Toaster compatible. Requires A500/2000/3000, 2MB min., hard disk. Accelerated machine recommended. AmigaDOS 1.3 and 2.0 compatible. \$199.95  
*Texture City, 3203 Overland Ave., #6157, Los Angeles, CA, 90034; (310) 836-9224*

## Vermont Seasons

These disks are packed with dozens of seasonal images of Vermont as it appears through the four seasons of the year. All of the digital still-photographed material is in lo-res HAM. There are four three-disk sets, and with them you can travel through all of the colors of autumn, the blue-white cold of winter, the light green haze of spring, and the lush tropical warmth of summer. Useful as educational references, video backdrops, DTP fills, and as beginnings for original electronic montages. A 12-disk set. \$129.95  
*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## VidGen 2.0

VidGen is a program that creates professional quality backgrounds in seconds based on your design, color scheme, and creative input. Version 2.0 features many new design options including drop shadows, full color, continuous scrolling, and shaded backdrops using included or custom syMBols. VidGen was designed to save you time in creating video productions and business presentations. You create backgrounds by loading any of the standard syMBols included with VidGen, one of your own syMBols or brushes, or any standard clip art. Highlights, eMBossing, and tiling are done automatically. With VidGen's default settings you don't have to modify the background, but instant changes can easily be made using simple graphical controls. You can display the background (still or continuously scrolling) in overscan for video recording. Finally, you can save the background as a project for later re-loading and modifying in VidGen, or as an IFF graphic for use with other software such as titling, paint, and presentation software packages. A free demonstration disk and upgrade information are available from Microft Software. AmigaDOS 2.0 compatible. \$99.95  
*Microft Software, Ltd., P.O. Box 1072, Exton, PA 19341; (215) 642-7638*

## Video Animation Controller

Hardware controller for serial and parallel video decks. Can be expanded to AmiLink cuts or a/b-roll editor. Works with LightWave and RGB's Animation LINK! software package. LTC time code in via nine pin or RCA. Serial vtrs \$995; Parallel vtrs \$1350; VITC/LTC/MTC reader generator option \$500. Available in 19-inch rack or half-rack sizes. 19-inch rack option included with time code generator, extra cost without generator option. AmigaDOS 2.0 compatible. NTSC or PAL available. \$5.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

## VideoDirector

A complete system for quickly and easily editing video tape, and consists of the software, a universal learning Infrared remote controller, and a serial port interface for controlling VCRs or camcorders equipped with remote, Control-L or LANC inputs. A simple push button interface makes it possible for anyone to easily asseMble their favorite videotaped moments into a single smoothly recorded tape, in a fraction of the time required for manual editing. Editing features include copying, cutting and pasting of clips and groups of clips. To allow the addition of titles or graphics to video, VideoDirector will support a genlock. Will run on any Amiga with at least 512k RAM. \$199.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## Wedding A-Brushes

Roll your own animation with this collection of animatted brushes. These hi-res and med-res brushes make creation of custom animations a snap. Includes brushes from Wedding Series, and brand new ones. Some are: wedding bells, flapping

birds, cherubs, cupid, spinning hearts. \$29.95  
*Electric Crayon Studios, 3624 North 64th Street, Milwaukee, WI 53216; (414) 444-9981*

## ts-Prompt

Professional teleprompter software. Includes 1000 scroll speeds controlled by mouse or keyboard; reverse and inverse view modes; ASCII text file imports; print option; and a clear, intuitive 'point-and-click' user interface. System requirements: Any Amiga 512K, AmigaDOS 1.3 or 2.0. \$99.00  
*Lucky Fish Software, 4830 Briarwood, Ste. D4, Royal Oak, MI 48073-1353; (313) 288-3753*

## ◆ FONTS ◆

### Anti-A

Anti-A is a font enhancement utility which produces anti-aliased fonts for use with art and video titling programs. It loads any normal Amiga fonts, as well as directly supporting WB2.04 scalable fonts. Four-level anti-aliasing is used to produce greyscale ColorFonts in sizes up to 150 point. Nine new scaled-down sizes can be produced from each font loaded. Suggested for use with DeluxePaint, Broadcast Titler, etc. Auto PAL/NTSC switch. Requires 512K min., 1MB plus recommended, one disk drive (hard disk an advantage), AmigaDOS 1.3/2.04 (can use 2.04 outline fonts). \$65, £40. \$65.00  
*Zen Computer Services, 2 Silver Birch Grove, Swinton, Manchester M27 1FS, England; (011) 4461-793-1931*

### Broadcast Backgrounds

Five-disk set of high-quality images for use as backdrops in video productions, multimedia applications, and business presentations. They are all IFF files and are 16-color hi-res, overscanned images which are compatible with any software that allows importation of IFF graphics. Broadcast Backgrounds are designed with palettes that are easy to modify and which are ColorFont compatible. There is a wide range of patterns, textures, and gradients such as brickface, granite, wood, metal, cloth, and much more. Special borders and box type backgrounds included. \$44.95  
*Gulfgate Technologies, 7507 S. Tamiami Trail, Ste. 82, Sarasota, FL 34231; (813) 378-5477*

### Broadcast Titler 2- Font Pack 2

Professional video fonts for use with Broadcast Titler 2. 10 new modern typesyles for enhanced variety. All fonts are fully anti-aliased and include 6 BT sizes with a JUMBO 115 scanline Amiga font for placement and resizing. The pack also contains special syMBols and international characters. BT FP2 can be used with Super-Hi-Res and new sizes created with BT Font Enhancer. \$169.95  
*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800*

### Broadcast Titler Font Pack 1

Professional high quality typefaces in each pack. All fonts are in both anti-aliased Broadcast Titler 2 and standard Amiga formats. Amiga font sizes are 100 scanlines in height. Anti-aliased broadcast Titler 2 fonts are in various smaller sizes. Each font style contains the full 256 ASCII character set which includes special syMBols and international accents. Additional sizes of Amiga fonts can be created with the Broadcast Titler 2 Font Enhancer. Fonts can be used with other Amiga Paint, Desktop Publishing, Multimedia, and Video Packages. \$169.95  
*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800*

### Custom PostScript® Fonts

Postscript® fonts created from your scanned artwork, or your logo inserted into any PS font you already own. Any language possible-Chinese or Japanese requires 30 fonts. Type-3, user font,

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Desktop Video

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

produced with screenfonts and metrics for precision layouts in either Amiga and/or Macintosh formats.  
*Allied Studios, 482 Hayes Street, San Francisco, CA 94102; (415) 863-1781*

**EUROFONTS VIDEO: French/Spanish/Italian**  
 Module #2 supports Spanish, French, French-Canadian, Italian and Portuguese. This is a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

**EUROFONTS VIDEO: German/French**  
 Module #3 supports German and French. This is a Language Module from a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

**EUROFONTS VIDEO: German/Hungarian**  
 Module #4 supports German and Hungarian (Madgar). This is a Language Module from a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

**EUROFONTS VIDEO: Master Kit**  
 This is a two-part product. First get the Master Kit which provides extensive generic documentation, utilities, and startup/installation disk for the Eurofonts collection. Then you add as many language modules as you need. The language modules include foreign fonts, keycharts and font samples. You only need one Master Kit (we did this to reduce cost and duplication). Requires at least one language module. If you already have A\*Video Professional Font Sustem, you won't need this as it already includes the Master Kit. \$64.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

**EUROFONTS VIDEO: Scandia**  
 Module #1 supports English, Danish, Swedish, Norwegian, Finnish and Icelandic. This is a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## Fontgrabber

Fontgrabber is designed to let the user create high quality monochrome fonts for use in DTP and video work. Load an IFF screen containing your font design and simply drag out a box around each character you want to define. You then let Fontgrabber decide how the font should look. Your designs can be created with a paint program or scanned using a black and white scanner. This means that you can easily create character-based fonts such as Russian, Arabic, Chinese, etc. Even graphic shapes can be a font, e.g., chess pieces. \$75.00  
*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England; (011) 4475-368-6000*

## Fun Fonts

Three disks of very large, highly detailed ornamental fonts for humorous and playful video titling. Includes 23 Video Toaster CG fonts for anti-alias titling in scroll and crawl pages as well as key or frame store pages for DVEs. Toaster sizes are 80 point—the largest allowed. An additional 23 AmigaDOS fonts are double the Toaster font size. Fonts include: Achilles, Circus, Flash Caps, Frankenstein, Frisco, Orleans Open, Panoramas, and Tarantella. Toaster versions require NewTek Video Toaster correctly installed. Requires program capable of loading/displaying/using diskfonts. \$39.95  
*Allied Studios, 482 Hayes Street, San Francisco, CA 94102; (415) 863-1781*

## Hangul-Alpha 2.0

Korean word processor with tools for super high-resolution Korean video titles and desktop publishing. Features Korean/English input and output; bilingual menus; saving and loading IFF screens. Includes Han-Bit Titrer, a high-resolution Korean 'titer' for paint and video programs. Also includes Sool-Un Print, which generates publication-quality text on laser and dot matrix printers. 4-disk set, with hangul keytops and Korean/English manual. Requires 1MB RAM, AmigaDOS 2.0 or higher. \$129.95  
*Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751; (512) 452-2441*

## Masterpiece Anti-Aliased Font Collection

All 110 fonts from the Masterpiece Professional Font Collection have been anti-aliased and resized to multiple sizes of each font. 110 different styles—586 total fonts. Fonts have also been compressed to save space on your hard drive. Requires the ability to support Colorfonts. \$199.00  
*ARock Computer Software, P.O. Box 731, Springfield, MO 65801; (417) 866-8803*

## Masterpiece Professional Font Collection

The largest collection of fonts and clip-art available for the Amiga today. 110 different fonts are included in this 20 disk set. Also included are 141 hi-res pages of border clip-art. Four disks of Colorfonts and two disks of Brushes round out the set. A must for the video professional. \$199.00  
*ARock Computer Software, P.O. Box 731, Springfield, MO 65801; (417) 866-8803*

## Olo Fonts Collection 1

This is a collection of the normal, colorfont versions of the Olo Animated Fonts 1, 2, and 3 (Marmor, Glider, and Gold). They are 8 color fonts intended for hi-res. Marmor is a marble-looking, massive and impressive font in caps. Gold is a gold-looking, clear and exclusive font in caps. All fonts support most characters in German, French, Spanish, and Scandinavian. Each font comes in two sizes ranging from 108 pts to 140 pts. This collection does not contain any of the animated versions of these fonts. All the corresponding palettes are naturally supplied. Marmor comes standard in Ivory-palette with different, suitable marble palettes added. Glider comes standard in sober green & brown-palette with 6 other palettes added. Gold comes standard in fancy gold-palette with 9 other

palettes added. Two disks and a thorough 24-page user manual in English included. Requires 1MB minimum. AmigaDOS 2.0 compatible. \$59.95  
*AroVinjett, Byalus v.65, S12174 Jhov, Sweden; (011) 468-649-7702*

## PostScript® Fonts Conversion

PostScript® fonts converted from Macintosh to Amiga ProfessionalPage. Most type-1 and all type-3 user fonts can be successfully translated. Service includes Amiga screenfonts for layouts, 'metric' files for precision kerning, and downloadable type-3 Postscript fonts for use with any Adobe® Postscript laser printer. Over 300 PS converted to date. Insured original factory disks only—no pirate fonts accepted. Fast turn-around. \$35/disk. Call for volume discount.  
*Allied Studios, 482 Hayes Street, San Francisco, CA 94102; (415) 863-1781*

## Pro Video Series Alternate Fonts (five sets)

Compatible with Pro Video Plus, Gold, and Post only. Each set contains four styles in four sizes. Each has anti-aliased files and regular font files. Easy icon installation. \$59.95  
*Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## Professional Font Library 4.4

Quality multidisk, general purpose English language font product. Over 60 typefaces, approximately 200 font files from 7 to 88+ pixels high, both monochrome and color fonts. Suitable for paint programs, WYSIWYG word processing, variety headlines and low-end video titling. Includes icon interface, many utilities, comprehensive 82-page manual plus 36 pages of sample printouts. 512k recommended, 2MB for color fonts. \$79.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## The Cool ColorFont Collection

Colorfonts with various faces in a three-disk collection for paint programs or video. Large sizes 65-82 lines with Serif, Sans Serif, Modern, a Gold Bar, and a written font are among the various colored fonts for video. Upper and lower case. \$35.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Ultra-Fonts Volume 1,2,3

Assorted Amiga bit-mapped fonts suitable for use in most paint/graphics/video applications, and some wordprocessing/DTP/presentation packages. Each volume contains large specialty typefaces in unusual but useful styles, up to 160 point. Includes some ColorFonts. An automatic install utility and assign utility are provided, along with sample IFF pictures. New volumes are added periodically. Call for details. For use on all Amiga models. Some fonts may require 1MB. \$25 Australian.  
*Pro-Visual, P.O. Box 248, Coburg, 3058, Victoria, Australia; (011) 613-383-4905*

## Video Clipse v1

Amiga graphic enhancements for the video professional. This seven-disk set has 20 big super-clean fonts, each from 100 to 160 points tall. Resize without losing clarity. Both regular Amiga and Video Toaster formats are conveniently included. Video Clipse also includes three clip-art font sets: Special Occasion Clips, Commercial Clips, and Multi-Use syMBols (borders, caption balloons, etc.). Also includes hi-res, overscanned, IFF backgrounds and Anim-Brushes. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any Amiga model, and any paint presentation or multi-media program capable of displaying standard Amiga fonts and IFF images. \$59.95  
*Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410; (407) 626-3447*

## Video Clipse v1.1—Spanish Version

Spanish version of Video Clipse Volume 1. This nine-disk set coMBines all of the graphic enhance-

# Desktop Video

ments of Video Clipse Vol.1 (20 big Amiga and Toaster ready fonts; three Clip-Art Font Sets; Backgrounds and Anim-Brushes) with two additional disks containing Spanish characters for all 20 big fonts. All accented vowels, punctuation, cedilla, tilde and dieresis. A user guide in Spanish is also included. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any model Amiga computer. Any paint, presentation, or multi-media program capable of displaying standard Amiga fonts and IFF images. \$69.95  
*Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410; (407) 626-3447*

## Video Fonts II

Seventeen styles each in four sizes. All individually bit-mapped and anti-aliased. For use in programs accepting the ColorText structure. Designed for use in video but perfect for slide images. Easy icon installation. \$99.95

*Sheriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## VideoFonts

High-quality font outlines that can be scaled to any size for use in video titling. Create Toaster fonts for use with NewTek Video Toaster or Amiga fonts for use with any application. Customize fonts aspect ratio, italic angle, and variable bolding. Choose from five different VideoFont packs. Decorative 1: Avant Garde, Universe Medium Condensed, and Triumvirate typefaces; Decorative 2: Shannon, Microstyle, and Microstyle Extended typefaces; San Serif 1: Zapf Chancery Medium, Letraset Revue Light, and Letraset Revue Shadow typefaces; San Serif 2: Dom Casual, Brush, and Cooper Black typefaces; Serif 1: Melliza, Clarendon Book, and Tiffany Medium typefaces. \$99.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## Zuma Fonts Pack I & II

Bitmapped typefaces for use with any IFF-compatible program, such as TV\*TEXT Professional, which accesses Amiga fonts. Six sizes, from 12 to 100 lines. Requires 512K RAM. ZumaFont Pack I includes Volumes 1, 2, & 3 Zuma Fonts on 3 disks. ZumaFont Pack II includes Volumes 4, 5, & 6 Zuma Fonts on 3 disks. Volume 1: Swiss, Pica, and Barn Fonts. Volume 2: Euro, Chelt, and Stencil Fonts. Volume 3: Coop, Script, and Fast Fonts. Volume 4: Deco, Devine, and Draft Fonts. Volume 5: Metro, Art, and Gospel Fonts. Volume 6: Oak, Sports, and Alps Fonts. Each pack \$99.95.  
*Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015; (602) 246-4238*

## ◆ IMAGE PROCESSING ◆

### Art Department Professional 2.3

ADPro, winner of the 1992 Reader's Choice Award, is the best selling image processing system available for the Amiga. Version 2.3 adds direct support for the NewTek Video Toaster framebuffer format, Painting through a direct connection to Deluxe Paint 4.6 and many other improvements. Compatible with all Amiga models. Four megabytes of Fast Ram required. Compatible with 1.3, 2.x and 3.x Kickstart. Some features not available under 1.3. Hard disk recommended. \$295.00

*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

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### Art Department Professional Conversion Pack

Adds Art Department Professional support for Pict Rendition, Sun Raster files, Targa, Tiff, and X Windows bit maps. Support for these formats goes well beyond the token support offered by other manufacturers. Nearly every variation of these file formats are supported. \$90.00

*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

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## ◆ New Product Listing

◆ AmigaDOS release 2 Compatible (Vendor Verified)

## CineMorph

An active imagination and CineMorph will let you transform images into one another, creating uncanny illusions. Has standard Amiga-style interface, directly renders to Amiga modes, DCTV, HAM-E, and professional 24-bit devices. Has full color imaging, static or full motion morphing, single-image warping, multi-speed morphing, both spline and line methods, ability to generate/automate animations, intuition-based image windows, and AmigaGuide Help menu. AmigaDOS 1.3/2.0 compatible. Requires 3MB RAM minimum. \$149.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## Imagemaster v9.19

True infinite morphing capability has been added to original extremely powerful 24-bit image processing, composition, paint, and analysis software for the stock Amiga. Morphing converts one image into another by creating successive images in a sequence which take on increasingly more of the final image characteristics until transformation is complete. User now has complete control over morph process geometry and colorimetry over any desired number of automatically 'tweened' 24-bit image frames. Also available for Impulse FC24 board. Runs on any model. Requires 3MB of RAM. NTSC/PAL, AmigaDOS 1.3 and 2.0 compatible. \$249.95

*Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230; (800) 852-6442*

## Lasergraphics LFR Driver

This driver allows any image loaded into Art Department Professional to be imaged to film using a Laser Graphics LFR or LFR Plus film recorder. Requires Art Department Professional and Commodore compatible SCSI controller with external connector. \$250.00

*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

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## MorphPlus

The morphing/special effects used in Babylon 5, Quantum Leap, The Tommy Knockers, and other productions can be part of your desktop suite. Includes morphing, ripples, and many other special effects. ADPro compatible. Kickstart 2.0 or later is REQUIRED. Four Megs of Fast RAM minimum, hard disk recommended. Compatible with all Amiga models. \$295.00

*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

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## The Art Department

24-bit plane image processing system for the Amiga. Using Loaders, TAD can read any image file format. Includes Loaders for IFF, Digi-View, Sculpt 4D, and Turbo-Silver. Offers 208 video modes including PAL and 4096 colors in hi-res. Super accurate digital scaling, color conversions, color separations, and other image processing functions. \$89.95

*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

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## ◆ UTILITIES ◆

### 24B-24 Bit Maps - U.S.

U.S. and states graduated in full 24 bits. Excellent for Video Toaster or DCTV users. Can be easily added to any presentation so you can add titles/legends to show maps locations and point out cities in video or slides. JPEG compressed on each disk for easy retrieval. 24-bit device: Toaster, DCTV, IV24 units required for JPEG compressed files. \$38.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Animated Action Disks

Two disks of animations. ANIMs format on Animated Intros, and ANIM brushes on Animated Spots. Wedding-type cycled motion scenes to add and edit for your video animations. DeluxePaint IV compatible. \$28.00

*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Background Bits 24-Graduated Backdrops

Two disks of 24-bit graduated backgrounds already processed in greens, blues, gold, in legal NTSC colors ready for overscan use in the Video Toaster, DCTV, and any other 24-bit card or program. Boxes on disk can have pictures inserted. Requires 1MB, Video Toaster or any other 24-bit program. \$28.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Beyond Backgrounds - Pro Set

Ten disks of professional-quality, high-resolution, 736 x 480 overscan 24-bit IFF images for use as backdrops in video productions, multimedia applications, and business presentations. Perfect for overlaying of titles, animations, logos, or any Amiga-generated graphic. Selections: clouds, celebrations, wedding bells, toon, trophy, tile floor, human figure, thick grid, stage; many others. Designed by Derek Grime and created using a Silicon Graphics IRIS workstation to work with the Video Toaster. Work with ImpactVision 24, FireCracker 24, DCTV, HAM-E, and any Amiga product that displays 24-bit IFF images. \$99.95  
*FrostByte Systems, P.O. Box 98565, 873 Jane St, Toronto, Ontario M6N 5A6, Canada; (416) 769-7516*

## BITPIX—Series One

These 12 (4096+) color images of Sydney, Australia and surrounds are on a two-disk set and include location details. Digitized from photographic stereo pairs, they are for use with your Haitex X-SPECS 3-D glasses. NTSC/PAL. Stereo or flat versions available—please specify. 1MB required, 2MB recommended; AmigaDOS 1.2 or 1.3. \$18.00  
*Aztek Media Services, P.O. Box 886, Cannington, Perth, West Australia 6107; (011) 619-459-2079*

## BITPIX—Series Two

These 12 (4096+) color images of Perth, West Australia and surrounds are on a two-disk set and include location details. Digitized from photographic stereo pairs, they are for use with your Haitex X-SPECS 3-D glasses. NTSC/PAL. Stereo or flat versions available—please specify. 1MB required, 2MB recommended; AmigaDOS 1.2 or 1.3. \$18.00  
*Aztek Media Services, P.O. Box 886, Cannington, Perth, West Australia 6107; (011) 619-459-2079*

## CVS Media Device Controllers

Industrial VTR, laserdisc, genlock and routing switcher software. Allows CLI or AREXX control of the Sony 7000 and 9000 series 3/4 inch VTR's or Panasonic VTR's with 34 pin control panel and time code out. Controls Supergen, Video Blender or G-lock genlocks for video/audio switching. Used by CATV systems for video insertion. Uses SMPT and Sony time code. \$800.00  
*Computer Video Solutions, Inc., 14-B S. 7th Street, Akon, PA 17501; (717) 859-2049*

## Doug's Color Commander 2.0

A powerful screen utility that opens the door to shading and swapping colors in ways that have never been possible before, while greatly expanding the graphics capability of your Amiga. Includes screen grabbing and printing capabilities. Not copy protected. \$49.00  
*Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368; (206) 385-1956*

## EDL Archiving Module

Allows edit decision list created with Videomedia SuperMicron to be saved and retrieved on the

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Desktop Video

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Amiga through the serial port. \$299.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*

## Neriki CE100 Color Coder

Lets you transfer your computer information and graphics to video at an affordable price with guaranteed performance, picture quality, and definition. Encodes output signals in color from any RGB source and sync into composite video or Y-C output. Self-powered, has loop out facility, automatic adjustment of levels and timing, more. NTSC/PAL.

*Fordray Pty. Ltd., P.O. Box 1265, Orange, NSW, Australia; (011) 61-63-62-9901*

## On-Line Studio

On-Line Studio is a three-disk set of Professional style video backgrounds and animation for use in titling, paint and animation programs. A valuable and time-saving tool to video production work. From the Amiga Professional Tutorial series. Requires 1MB 'Fat Agnus,' 1MB RAM. \$24.95  
*CP Productions, P.O. Box 103, St. Peters, PA 19470; (215) 265-3995*

## Photon Video Transport Controller

The link between graphics, animation, and video tapes. Controls external video tape frame-by-frame controllers like the Lyon-LaMB and Video Media's V-LAN systems. Designed for use with Photon Video's Cell Animator, the Transport controller will also work with other third-party software. Records 1-300,000 frames each time an image is displayed, resulting in a smooth animation sequence. Set the TC to edit short real-time Amiga animations into longer sequence; set in/out points via keyboard or mouse; create time-lapse using the Time Lapse utility. Requires external video controller interface. \$299.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Photon Video: Edit Decision List Processor

Edit decision lists can save lots of time and money. Create your list off-line, then transfer them to an on-line editing system via the serial port, or an MS-DOS compatible floppy disk. Features 999 events per-file capacity, three tracks (one video, two audio), and lists are recalculated instantly every time a change is made. Works with 30-frame NTSC, 25-frame EBU (PAL), and 24- frame film modes. \$499.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## System Integrator

System Integrator will RESET the Amiga upon detection of an error condition, lock up, or even a total system crash. It is a software/hardware coMBination that attaches externally to the Amiga (internally for A500). It was developed initially for Cablevision companies, video presentations, and interactive multimedia displays. It is a must for bulletin board systems, ray tracing, and other applications that require the Amiga to be left running unattended. System Integrator will have you up and running again in seconds, with no human intervention. The software includes a toolkit to log errors, blank the display, and display a custom message-screen. \$199.00  
*Pro-Tronic Systems Ltd., 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5; (604) 290-1631*

## The Educator Set: School-Sports, Maps, Political

Volume 11 and Volume 6 are grouped in this set for educators who need maps and all sorts of school scenes for video yearbooks and classroom themes that can be used for a school video. A five-disk set. Requires 1MB, and a paint or video program. Political disk also included. \$39.95  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## VGLD.001 Earth and Planets

Four disks containing 63 files of animations, drawings, and digitized images of Earth, the moon, other

moons and planets in the solar system, and imaginary planets and moons. Includes two animations of Earth spinning in 704 x 480 4-color and 16-color, 32 digitized images and 19 drawn images in hi-res and interlace overscan, plus 10 'brush' images. Designed especially for video, this set includes a 'digital displayer' image viewer/video production utility. NTSC. \$39.95

*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VGLD.002 Galaxies and Other Worlds

Four disks containing 60 files of drawings and images of galaxies, nebulae and imaginary scenes and spacescapes of moons, planets and other worlds. Companion set to Earth and Planets images. Twenty-nine hi-res overscan (704 x 480) and 24 interlace overscan (352 x 480) images. Designed especially for video production, the set includes 'digital displayer.' NTSC. \$39.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VGLD.003 Video Backgrounds A

Four disks containing over 130 files with 31 backgrounds for video titling, including 3-D and eMBossed look tiles, eMBossed ridges, drapes, woodgrains and woodpanels, marble slab, fiber, and more. Five backgrounds are 'Shade Me' files for DPaint III shade function. Also 97 Magic Palettes. All are 704 x 480 hi-res overscan. All VGLD sets are designed for video and include 'digital displayer' image viewer/video production utility. NTSC. \$39.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VGLD.004 Video Backgrounds B

Four disks containing over 160 files, 32 hi-res overscan and two interlace overscan backgrounds prepared especially for video, including marble, drapes, burlap, carpet, pebble and many eMBossed tiles, ridge, diamonds, and other shapes. Also special 'Shade Me' backgrounds and 127 Magic Palettes. Companion set for Video Backgrounds A. No color zero is used and backgrounds have unused palette colors for use in text and titling. NTSC. \$39.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VGLD.005 Birds, Up Close

Four disks containing 42 images of birds and wildlife. Twenty-two images are in 352 x 480 32-color format and 20 images are in 704 x 480 hi-res 16-color format. All are specially prepared for video applications with no color zero, and colors are set for minimal chroma crawl and flicker. Meticulously retouched after conversion from 24-bit files produced from original photographic slides. Includes hawk, wrens, bluejays, cardinals, purple finch, evening grosbeak, woodpecker, and more. NTSC. \$39.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VGLD.006 Auto Racing

41 files of drawn and digitized racing art and animations. Waltrip, Petty, Gant, Martin, Elliot, more represent the best of NASCAR. SCCA, NHRA, and dirt track racing here too. 16 images in 352x480, 16 in 704x480, two brushes, two more 704x480 screens of brush objects. Four 704x480 animations: one of full-screen crossed checkered flags waving, three provide animated checkered flag wipes for video transitions using genlock. Instructions on wipes and tips for advanced techniques. NTSC. \$39.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VGLD.007 Scenery Backgrounds

43 files in 704x480 including 30 drawn or digitized backgrounds, 11 brushes, and 2 Magic Palettes. You get scenery like mountain vistas, lighthouses, coastal scenery, big city at night, stunningly beautiful sunsets and sunrises. Also rustic log buildings, rural scenes, city harbor, Mediterranean harbor, more. Includes Sunset Construction Kit to as-

semble your own sunset silhouettes from big city to hilltop cabin. Full instructions on how to get the most from the set. NTSC. \$39.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VGLD.008 Nature Backgrounds

31 digitized and drawn scenes from Mother Nature herself. Flowers, butterfly, clouds, water, ocean, stunning sunrises and sunsets, birds in natural settings, mountains, mill pond dam, much more. Wide variety of beautiful natural images for your graphics needs. NTSC. \$39.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593; (919) 642-6295*

## VIDI-Mice

VIDI-Mice is a man-machine interface for the Amiga, for use in your hypermedia productions and performances. By emulating all mouse and keyboard functions, VIDI-Mice software allows you to control virtually any video, music, or paint programs from your video camera. NTSC only. LIVE! frame grabber required, Workbench 1.3 or later. \$85.00  
*Tensor Productions, 819 Guyne Avenue, Santa Barbara, CA 93111; (805) 683-2165*

## Video Calibration Set

A collection of 41 IFF test patterns for testing and calibrating RGB and video monitors. Turns an Amiga equipped with an encoder or genlock into a test pattern generator. Includes six color tests, six brightness and contrast tests, tests for convergence, phosphor burn, interlace flicker, and other tests for monitor problems. Also includes three different printed test patterns for video camera calibration. Requires 512K chip RAM, one drive. \$49.95  
*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266; (310) 379-7139*

## Video Visions Vol. 10 v2.0 The Illustrator-Animation Background Scenery in 24 Bits

Four-disk collection features landscapes, street scenes, and other locations to portray a backdrop for almost any type of entertainment video. Mountain scenes and roads and plain backdrop skies (graded) are among the rendered scenery. Scenes have ultimate colors and shades workable in DCTV or Toaster for mood setting use in videos. 24-bit device: Toaster, DCTV. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 10: The Illustrator; Entertainment-Game Scenes

Scenes that have illustrative backgrounds featuring game scenes and entertainment. Use the different scenes to show country, city, or interior, exterior of buildings for constructing a scene with objects or characters, or even titles. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 11: The Reporter; School-Sports

School scenes and sports geared to school videos are featured. Cheerleaders, classrooms, and scenery for schools are prevalent in this volume. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 12: The Producer; Religious-Political

Religious and political scenes highlight this two-disk volume of art portraying crosses, churches, ceremonies of religious rites, and political themes typical of government, courtroom law, and other types of legal video scenes. Requires 1MB, and a paint or video program. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 1: The Titler V3.0; Backdrops-Fonts

Now includes five disks, four with backdrops and one with ColorFonts to start you titling. Colorfonts I added to help Titles and Backdrops be integrated for a full starter kit on Video Titling. Scenes are

# Desktop Video

extended to titler overscan page size 704 x 480. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 2: The 3D Animator V2.0; 3-D Objects

Images and parts custom-made for 3-D and Page Flipping Animation programs with a focus toward Fantasy Animals subjects. Features objects for 3-D. Specify your 3-D Editor: 3-D Knight, Unicorn, Giants' Hand, 3-D Videocam, Dogsworld Animation, 3-D Globe Spin, Clouds Backdrop, Field Backdrop HAM, and Tree Backdrop, and more! Over 40 files, overscan HAM screens, and 3-D objects for your editor. Imagine, Sculpt 3D, or Lightwave supported. Two disks. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 3: The 2D Animator V2.0; Characters

Two disks. Images and parts custom-made for 2D Pageflip programs with a focus on Characters-Creations subjects. Features: many anims and animBrushes, butterfly animation, Rosie Rabbit animation, horse race, fence post looping background; character poses: boy run, duck snoop, duck walk, runners, eagle land, eagle fly, golfer, tiger joyful, woman leaping, horse gallop, horse prance, and more! Over 30 hi-res files. IFF format page. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 4: The Videographer V2.0; Weddings

Three disks. Images and parts custom-made for Wedding/Occasions subjects. IFF Compressed Overscan for video programs. Features: borders, flowers, love, bouquets, bride, frames, scroll, lace, and more! Over 30 files hi-res overscan. Same as Videographer 1.0, only pages are extended to broadcast titler overscan 704 x 480 IFF format. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 5: Broadcast Sports

Two disks. Images and parts custom made for Business/Broadcast subjects. IFF Compressed Overscan for video programs. Features: Chroma Slide overscan screens, industry, cityscape, Celtic animation, baseball/football scoreboards, 20th Century Fox logo, and more! Over 40 files hi-res overscan, 704 x 480 IFF format pages. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 6: The Educator V2.0; Maps

Four disks. Images and parts custom-made for educators with a focus on history/geography subjects. Features maps, historical sites around world: Eiffel Tower, Spanish matador, and India caravan. All maps worldwide, and U.S. maps state-wide, with over 100 files and full 16-color hi-res. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 7: The Advertiser; Products and Symbols

Two disks. Images and parts custom-made for advertisers with a focus on products/symbols subjects. Features industry TV commercial pictorials. All products like 35mm cameras, video camera, disk drive, Visa/MasterCard, medical, Pepsi, Yellow Pages, and more! Over 50 files of 16-color hi-res. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Vol. 9: The Video-Musician; Jingle 86-Rock scenes

Rock scenes and Animated Jingle Backdrops with a musical flair are featured on this psychedelic volume. Curtain opening, backdrops that move are featured on this volume for music video type scenes and object-musical instruments. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions Volume 8: The Videomaker; Ceremonies, Anniversaries v2.0

Now has full 24-bit color added to existing and many new ceremony and anniversary scenes. Scanned wedding church scenes and other icons of wedding bliss are illustrated with full gradations of color ready to add to a wedding or bar mitsvah video. Requires 24-bit display board, AdPro, etc. Available in DCTV or JPEG 24-bit format. NTSC. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions: MultiVisions

Can load and run pictures, objects, and animations prior to dumping to video tape. It can be part of the package of any Video Visions data disk set or purchased separately, \$25 alone (\$20 more for modifiable CanDo version); free with purchase of The Studio Set. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions: The Animator Set; AnimAids

Includes previous Video Visions clip art bundled in a four-volume set of nine disks. Includes Volume 2: The 3D-Animator (Sculpt 3D version standard), Volume 3: The 2D-Animator, Volume 10: The Illustrator. Geared toward Animation users 2-D or 3-D. Educational in scope. Has numerous aids for the animator, as well as Animated Intros and Animated Spots. \$49.95  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions: The Mixed Set

Includes all previous video vision clip art bundled in either three-, four- and five-volume sets. Volumes of the future can be chosen to complete a package to suit any videographer. Geared toward the mix & match individual. Conversions available for any set program requirement a user may request. Three volumes, \$69.95; four volumes, \$79.95; five volumes, \$89.95.  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions: The Studio Set

Contains all of the Vision Data packaged in one assorted collection. Video Volumes 1 to 10 and beyond. Liberal upgrade to future volumes for one year is also included in the purchase of this set, in the form of a subscription. MultiVisions also included in this complete set of over 36 disks. \$229.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions: The Titler Set; Titler Aids

Includes previous Video Visions video clip art bundled in a four-volume set with 14 disks. Includes Volume 1-The Titler, Volume 5-The Broadcaster, and Volume 7-The Advertiser, Volume 9-The Video-Musician. Geared toward Titler users that use display video software. Has three colorfonts disks included. \$69.95  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Video Visions: The Wedding Set

Includes wedding data, Bar Mitzvah, and ceremony art consisting of six disks of data in overscan hi-res format. Volume 8 and Volume 4 are included. For another \$30 Animated Action disks can be included, plus a religious disk in the Wedding Set Plus version. \$39.95  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Wedding Bits 24

All DCTV file format for display (millions of colors, highly dimensional) on DCTV unit. Images feature full 704 x 480 rotating wedding cake, spinning heart, toasting glass, full 3-D bells ringing, silhouetted dancing bride and groom, more. All fully animated at full screen size; can be loaded with DCTV-compatible programs. Requires 1MB chip RAM, DPaint 4 for display anims, accelerator rec-

ommended. \$35.00

*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## ♦ MISCELLANEOUS ♦

### Eye Play 2

Player or computer builds computer art from three dozen graphic routines. With 640 x 400 and 320 x 200 resolution \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488; (203) 264-2583*

### Lasershow Designer 100

For 2-dimensional, single-color laser graphics. Does not include scripting features. For XY scanning laser projectors only (no blanking available). NTSC and PAL. Requires any Amiga with hard drive or two floppy drives, at least 2MB RAM, Workbench 1.3 or 2.0. \$995.00  
*Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201; (703) 527-4880*

### Lasershow Designer 200

For 2-dimensional, single-color laser graphics. Works with any laser scanner projector. NTSC and PAL. Requires hard drive or two floppy drives, at least 3MB RAM, Workbench 1.3 or 2.0. \$2395.00  
*Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201; (703) 527-4880*

### Lasershow Designer 300

Lower cost version of LD 400, for those with single-color laser systems. Create, edit, animate, and display true 3-D laser graphics. Works with any laser scanner projector. NTSC and PAL. Requires A2500 or 3000, hard drive, at least 5MB RAM, Workbench 1.3 or 2.0. \$3995.00  
*Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201; (703) 527-4880*

### Lasershow Designer 400

The most advanced laser display software available for any computer. Create, edit, animate and display true 3-D, full color laser graphics. Requires color laser projector, (available through Pangolin). NTSC/PAL versions. Requires A2500 or 3000, hard drive, at least 5MB RAM, Workbench 1.3 or 2.0. \$7995.00  
*Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201; (703) 527-4880*

### RGB Single Frame Controller

All hardware and software needed to control a video deck for single-frame and time-lapse animation. Can easily be expanded to a full blown A/B Roll or cuts-only editor (AmiLink). Interfaces available for virtually all frame-accurate videotape recorders. Can be interfaced with AmigaVision to control virtually any professional grade videotape recorder. \$995.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404; (407) 844-3348*

### RTV

Raster-to-vector conversion program. Takes standard IFF pictures—drawn, painted, or digitized—and instantly turns them into projected laser graphics. RTV can be used by itself or as input for the Lasershow Designer programs. Requires a standard laser scanner projector. NTSC only. Works on any Amiga. \$495.00  
*Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201; (703) 527-4880*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Word Processing

## ◆ WORD PROCESSING GENERAL ◆

### Final Copy

Designed for people who need high quality print-outs of personal and business documents. Combines traditional word processing features with state-of-the-art printing technology. Includes 34 outline typefaces, a 116,000-word spelling detector and corrector, a 470,000-synonym thesaurus with definitions, graphics support, automatic hyphenation, multiple newspaper style columns, AREXX port, and built-in PostScript printer driver. Outline fonts get the best possible results from a printer. Graphics can be produced in their original colors by use of 12-bit plane printing method. Workbench 2.0 and 1.3 compatible. \$99.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076; (800) 247-8330*

### Hangul-Alpha 2.0

Korean word processor with tools for super high-resolution Korean video titles and desktop publishing. Features Korean/English input and output; bilingual menus; saving and loading IFF screens. Includes Han-Bit Titler, a high-resolution Korean 'titler' for paint and video programs. Also includes Soo-Un Print, which generates publication-quality text on laser and dot matrix printers. 4-disk set, with hangul keytops and Korean/English manual. Requires 1MB RAM, AmigaDOS 2.0 or higher. \$129.95  
*Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751; (512) 452-2441*

### KindWords™ 3.0

Multi-featured word processor with fully integrated graphics environment enables users to crop and manipulate image size in 16 colors within the word processing application. Offers acclaimed Proximity/Merriam Webster Dictionary featuring 100,000-word spelling corrector, and Proximity/ Webster Electronic Thesaurus that accepts over 40,000 words and offers 470,000 synonyms. The thesaurus helps users find the right word by presenting a list of meanings for each query, along with synonyms, antonyms, related words, and contrasted words. Multiple fonts (import any Amiga fonts). Text wraps around graphics. Workbench 1.3 and 2.0 compatible. Australian users see Australian address in Vendor Information. \$124.95  
*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

### LPD Writer

Work on several projects at once with multiple windows. WYSIWYG display, zoom feature, suspend, multiple-file editing, short-cut commands, on-line help, footers, formatting, and text enhancements. \$59.95  
*Digital Solutions, Inc., P.O. Box 345 Station A, Willowdale, Ontario, Canada M2N 5S9; (416) 731-8775*

### Personal Write

Personal Write is an extremely fast word processor which is packed with unique capabilities. It features a rich set of powerful commands which let you read, edit, store, convert, compress, encrypt and print text. The user interface is very friendly and flexible. Eighty menus and hundreds of gadgets let you tailor the program to fit every need, while the default settings let the inexperienced user start working with the program right away. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### ProWrite 3.3

This word processor has just gotten better. New features have been added like print preview, automatic text flow around graphics, vertical rulers, password protection, picture naming and searching, more. Also has Hotlinks support so you can interchange your documents with other appli-

cations for integrated word processing and DTP. AmigaDOS 2.0 compatible. \$99.95  
*New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746; (512) 328-6650*

### Protext

Protext is a fully integrated word processor which combines the features of a word processor, text editor, and a command line interpreter—all in one package. New 5.0 version supports multiple fonts, menus, windows. \$99.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### QuickWrite 1.1

Entry-level word processor. The ideal word processing solution for single drive systems. Requires only 512K of memory. Some features include a 50,000-word dictionary, mail merge, WYSIWYG display, fully customizable, compatible with ProWrite and Professional Page DTP program. Perfect for all simple word processing needs. \$75.00  
*New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746; (512) 328-6650*

### Rashumon DTP 1.2D

Rashumon DTP has all the features of Rashumon GR plus full graphic support. You can add IFF brushes to the document, move (in real time), copy, paste, and delete them. Save IFF option can also be used for highlighted text. Get brush palette. It is multi-lingual, including right-to-left languages. Has complex wordwrap routine that can wrap multi-lingual text. Supports NTSC and PAL (Auto Adjust), up to four keymaps can be used simultaneously. 1MB required, 1.5MB suggested. Color printer recommended. \$200.00  
*HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319; (011) 972-331-5967*

### Rashumon GR 1.2

Rashumon is a multi-lingual graphic word processor which contains English, Hebrew, Arabic and Russian. Rashumon supports multiple fonts, including proportional spacing. It also has fast scrolling and editing speed. Rashumon is user friendly having a graphic intuitive user interface. It can have up to eight colors in one document which can be selected from 4096 options by Palette Requester. This word processor also has full math support, a Data Base and a Save IFF option. You can highlight simultaneously any number of document parts for manipulation. It can also read text for you. Supports NTSC and PAL (Auto Adjust), up to four keymaps can be used simultaneously. 1MB required, 1.5MB suggested. Color printer recommended. \$150.00  
*HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319; (011) 972-331-5967*

### Scribble! Platinum Edition

Incorporates all the features of The Works! Word processing module. Includes 104,000 word spell checker with scientific and technical supplements, a 470,000-word thesaurus. Also prints IFF graphics. Available for PAL. AmigaDOS 2.0 compatible. \$39.95  
*Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414; (407) 790-0770*

### SoftFaces

A multiple-volume collection of high-quality outline fonts that can be used in Final Copy. These typefaces will produce excellent-quality output on both graphic and PostScript printers. Each volume contains 25 typefaces licensed from well-known type foundries such as International Typeface Corporation (ITC) and Letraset. These typefaces have been designed by world-famous designers, and are used worldwide in a variety of applications. \$99.95 per volume. \$99.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076; (800) 247-8330*

### Thinker 2.1.4

CD-ROM ready, sophisticated hypertext system that combines word processing and outline processing with Hypertext. Its editing, outline, and database capabilities make it an excellent tool for creative writing, on-line documentation, planning and design, small business databases, and computer-aided education. Documents containing multi-styled and multi-colored text and images link to other documents, pictures, and applications. Click on word or phrase and check a reference, view a picture, or launch Workbench or CLI application and control it with AREXX. \$80.00  
*Poor Person Software, 3721 Starr King Circle, Palo Alto, CA 94306; (415) 493-7234*

### TransWrite 2.0

A major replacement for Transcript. TransWrite 2.0 has a new look, with international-style requesters and user-configurable custom screens in addition to the normal workbench mode. It now has document analysis, and new mark and type text editing. Improvements include greater control over find and replace, spell checking as you type, automatic control over widows and orphans, full formatting control including headers, footers, and page numbering. A new utility, RecoverTW, can usually recover a document even if another program crashes and causes a system reboot. Also added is mail-merge and automatic index creation. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### WordPerfect 4.1

High-end word processor offering on-screen snaking and parallel columns (up to 24 across a page), 115,000-word speller, on-line thesaurus, macros, math, merge, and support for more than 300 printers. Features indexing, table of contents, paragraph and outline numbering, footnotes, endnotes. Lets you print an entire document, a page, range of pages, even a block of text. Comes with on-line help, extensive documentation, toll-free customer support. For A500/1000/2000/3000. Requires 1MB, Kickstart 1.2, one disk drive; two drives or hard disk recommended. AmigaDOS 1.3/2.0 compatible. \$249.00  
*WordPerfect, 1555 N. Technology Way, Orem, UT 84057; (800) 451-5151*

### Wordworth 2

Graphical word processor which supports genuine Agfa compugraphic fonts (10 supplied); works with any Amiga font, including internal printer fonts (over 400 supported), PostScript and Color Fonts. Features include: Multi-columns, Indexing, Table of Contents, Bookmarks, Tool Bar, Hot Links, Endnotes, Sorting, Mailmerge, Spell checker, Thesaurus, Hyphenation, Multiple Document and Graphic File Support, Glossary. PAL/NTSC. German and English. Requires 1.5MB min, Workbench 1.3/2.0. \$180.00  
*Digita International Ltd., Black Horse House, Exmouth Devon, EX8 1JL England; 011-44-395-270-273*

### excellence! v3.0

Besides all the v2 features, excellence! v3.0 features spell checker support for foreign languages, user-specified timed saves, ECS high resolution support, Workbench support, up to eight columns per page, automatic palette correction, 16-color screen support, document reading with Amiga speech device, much more. AmigaDOS 1.3/2.0 compatible. 1MB RAM required. Available for PAL. \$99.95  
*Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414; (407) 790-0770*

## ◆ FONTS ◆

### Personal Fonts Maker

Personal Fonts Maker is an excellent, comprehensive tool for designing and processing both printer and screen fonts. Standard Amiga fonts and fonts

# Desktop Publishing

## ◆ DESKTOP PUBLISHING GENERAL ◆

### AmigaTeX

Sophisticated typesetting software. Set of 14 disks with full TeX functionality, AREXX compatibility. Fully supports IFF and PostScript graphics and PostScript fonts. Includes TeX, preview, initEX, metafont, inifm LaTeX, SlitEX, and BibTeX. Supports PostScript fonts and graphics, and IFF/ILBM graphics. Over 1500 previewer fonts. Free demo disk. \$200.00

*Radical Eye Software, P. O. Box 2081, Stanford, CA 94309; (415) 322-6442*

### BME(Bit-Map Editor)

A simple bit-map editing program designed specifically for PageStream 2 and HotLinks. BME can edit pictures two ways, either importing IFF, ILBM, and GIF files directly or importing any bitmap graphic format into PageStream and subscribing it into BME via HotLinks. This allows PageStream users the flexibility of editing any type of bitmap graphic format they wish. BME edits any bitmap graphics with cut, copy, paste, fill, and crop. BME will be released as a bundle package with HotLinks and PageLiner.

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608*

### ComicSetter

A complete comic generator for the Amiga. Bitmap and structured graphics, layering tools, automatic text balloon generation. Includes clip art, fonts. Prints in B&W or color. \$69.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### ExpertDraw

Vectorized (structured) drawing package offering full Bezier drawing facilities, color blending, distortion, rotation, auto trace, and metamorphosis. Import ProDraw clips and Aegis 2000 drawings. Export clips and PostScript files. Full RGB and CYMK color control and color separation. NTSC/PAL compatible. Requires 1MB for all Amigas. AmigaDOS 1.3 and 2.0 compatible. \$99.00

*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England; (011) 4475-368-6000*

### HotLinks 1.1

HotLinks allows you to exchange text, illustrations, and any other type of data between programs in real time. There are several good HotLinks-compatible programs available. PageStream, PageLiner, BME, ProWrite, and ImageMaster can be used with HotLinks; more are on the way. Requires 1MB and hard drive. \$75.00

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608*

### HotLinks Editions Text and Photo Editing 1.1

HotLinks takes a data file—text or graphics—and saves it in an IFF HotLink format. A program conferring to HotLinks can 'publish' files to the HotLinks library and another conferring program can 'subscribe' to that file. This standalone product includes HotLinks, HotLinks Library, BME—a Bit-Map Editor, and PageLiner—a fast text editor. It comes in two product forms, single-user and networkable. Requires 1MB, hard drive recommended. \$150.00

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608*

### PROClips

A set of structured clip art suitable for use with Professional Page, Expert Draw, etc. Over 100 objects including computers, maps, promotional sticker designs, international road signs, domestic

appliances, etc. Most are in full color. \$19.00

*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England; (011) 4475-368-6000*

### PageLiner

A text editor for the Amiga. PageLiner is a fast word processing program designed specifically for PageStream 2 and HotLinks. It can edit text by either importing standard ASCII text directly, inserting text from another PageLiner document, typing text directly, or importing any text file into PageStream 2 and subscribing it into PageLiner via HotLinks. Will be released as a bundle package with HotLinks and BME.

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608*

### PageStream 2.2

This upgrade features enhanced import module and printer driver support, providing users with a wider selection to choose from. Support for plotters has been added, allowing sign cutters as well as plotters to output PageStream documents. Has improved Type 1 extended character set support, and offers a faster font/point dialog box that will display quickly, whether there are 10 or 10,000 fonts. The look has been extensively redesigned to comply with Amiga User Interface Guide and Workbench 2.0. Supports HotLinks interface. Registered owners of 2.1 and 2.0 will be upgraded automatically; registered owners of prior versions can upgrade for \$100. \$299.95

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608*

### Pagesetter III

Pagesetter III is designed to provide a complete text and graphics creation and layout system. The package includes a full-featured page layout program, a word processor and spell checker and a color paint program. Also included is a selection of high resolution, structured clip art. New output capabilities include PostScript compatibility on color printing of bitmaps and clip art. Runs on any Amiga, and is Workbench 2.0 compatible. \$129.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Pelican Press

Pelican Press lets you create giant posters, colorful banners, flyers, newsletters, cards, calendars, wrapping paper and more. Includes a full-featured paint program allowing you to create your own art or customize ours. Print in color or black and white. Print in a variety of sizes, from miniature to monumental. Amiga 500,1000,2000 series,3000. Requires 512K, 1MB rec. \$99.95

*Pelican Software, A Division of Queue Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

### Professional Page 3.0

Latest upgrade to Gold Disk's award-winning DTP package. Automatic Genie functions automate most of routine page layout and DTP tasks. Page Genies automatically create custom page layouts. Function Genies provide new ease of use and user customization of program. You can use over 300 AREXX commands to create your own Genie functions such as hot links to databases or spreadsheets, batch printing, or automatic graphic sizing or placement. Other new features include undo button, irregular text wrap, enhanced color separation and under color removal algorithms, autotitling for output of larger pages, and text import filters for word processors including ProWrite, Excellence, and QuickWrite. Five new AGFA Compugraphic scalable outline typefaces. Supports Adobe Type 1 fonts; all fonts can be scaled in 0.125-point increments. Workbench 2.0 compat-

ible. Requires 2MB and hard disk drive. \$295.00

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Saxon Publisher V1.2

State-of-the-art desktop publishing software. Features industry leading APEX color separation technology, WYSIWYG PostScript Screen Preview, direct support for Amiga, Macintosh, and PC Type 1 fonts, support for all PostScript and Compugraphic Type 3 fonts. Image conversion, font conversion, PostScript compression, monitor calibration, and imagesetter utilities. World's most sophisticated PostScript Interpreter (SaxonScript Professional) included free (\$130 value). Independently benchmarked as fastest Amiga desktop publisher. Extremely fast, efficient, stable; unmatched Customer Service Program. NTSC/PAL. International keyboards. Extensive foreign distribution. Requires 68000/020/030/040, minimum 1MB, one floppy and one hard or two floppy disk drives. AmigaDOS 1.3, 2.0 compatible. \$299.00

*Saxon Industries, P.O. Box 33005, Nepean Ontario, Canada K2C 3Y9; (613) 228-8043*

### The Publisher

Provides all components of sophisticated desktop publishing system. Generate hi-res Linotronic masters with up to 256 shades of grey at 2540 dpi. Includes advanced PostScript printer driver. Compatible with 68010, 20, 30, 40 accelerators; 68881, 68882 math co-processors; all Preferences printers. Direct support for thousands of Mac, IBM-PC PostScript fonts. Style tags store point sizes, typefaces, margin settings, more. Text rotation, nonrectangular text boxes, graphic rotation. Import IFF, DR2D, EPS, HAM, 8-bit, 24-bit, other graphics formats. Built-in drawing tools. NTSC/PAL. Workbench 1.3/2.0 compatible. Requires min 1.5MB, two disk drives or one disk drive plus hard disk. English/French/German versions. Note Australian address in Vendor Information. \$99.95

*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

## ◆ DRAWING PROGRAMS ◆

### DesignWorks

Structured drawing package. When only a drawing can be used to get the idea or concept across, then it's time to use DesignWorks. A structured drawing program created to fit directly into the New Horizons product line and to allow the user to illustrate a concept or idea graphically and quickly in a visual way without becoming a draftsman or an engineer. \$125.00

*New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746; (512) 328-6650*

### PSImport™

An extremely flexible module for Amiga artists, designers, and desktop publishers. PSImport enables importing most structured PostScript artwork from any computer into viewable and editable ProVector (IFF-DR2D) drawings. PSImport can also translate PostScript Type 1 fonts into ProVector (IFF-OFNT) format. Offers ProVector users access to an incredible amount of EPS clip art and Type 1 fonts from Macintosh, MS-DOS, and other computer platforms. Requires ProVector 2.1 or higher, 1MB total RAM, AmigaDOS 1.3 or higher, and at least one disk drive. If importing drawings or fonts originating from non-Amiga platforms, user must first transfer files to Amiga-readable disk using modem or transfer utility such as CrossDOS. \$89.95

*Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522; (303) 484-7321*

### ProVector 2.1

An extremely fast and flexible object-oriented drawing program with a unique user-friendly interface. ProVector is fully multitasking and allows

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Desktop Publishing

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

multiple drawings to be loaded/created simultaneously for easy cutting and pasting of objects. ProVector features a fast, accurate free-hand tool as well as bezier curve, regular and irregular polygon tools for both smooth and straight-line polygons. Other features include user-configurable UNDO (up to 255 steps), extremely flexible object alignment, rulers, test-to-path, user-editable color fill patterns, grid-snap, and much more. ProVector is completely user-configurable, offers keyboard shortcuts for most operations, and includes a user-selectable measurement system (inches, picas, centimeters) as well as AREXX compatibility (several useful AREXX macros included). Requires 1MB total RAM, AmigaDOS 1.3 or higher, at least one disk drive. \$299.95  
*Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522; (303) 484-7321*

## Professional Draw 3.0

Professional Draw 3.0, an object-oriented color graphic design and illustration tool, now has dynamic hot link to Professional Page 3.0, and more than 30 automatic function and tool Genies for fast, effortless creation of professional-quality artwork. Over 275 AREXX commands allow user to edit or create Genies. Text and color handling enhancements, enhanced color separation, auto-tiling, undo, redo, much more. Includes 145-piece clip art collection and Clipmap utility allowing structured drawing clips to be converted to IFF bitmaps. Requires 2MB and hard disk drive. AmigaDOS 2.0/Workbench 2.0 compatible. \$199.95. Upgrades available. \$199.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## ◆ CLIP ART ◆

### AMIZOO

Made expressly for DTP use (though these brushes also work well as video components), these 8- and 16-color hi-res brushes are the first of dozens of volumes to follow. The first three disks focus upon Frogs, Fish, and Birds. Each disk is packed with images, and the brushes are deftly cut out of their backgrounds, guaranteeing clean placement on the printed page, and options as to overlapping in both DTP and video use. They can be used with any Amiga paint program that accepts hi-res IFF's. Three disks. \$44.95  
*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

### Art Gallery I & II

Supplemental clip art for PrintMaster Plus with 140 graphics, mixed themes. \$39.95  
*Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501; (510) 748-6670*

### Art Gallery: Fantasy

Fantasy theme supplemental clip art for PrintMaster with 120 graphics. \$29.95  
*Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501; (510) 748-6670*

### ArtisticCLIPS

Clip art structured for use in Professional Page, PageStream, or Saxon Publisher. Includes manual showing all the images, with hints on using them for desktop publishing. Images contain high level of detail, and have realistic colors chosen to produce optimum results when printed using either black and white or color printers. Many clips contain shadings and gradients, and produce excellent results when color separated. Clips are suited to both hobbyists and professionals, and will print to maximum resolution of your printer, whether dot matrix or hi-res imagesetter. ArtisticCLIPS are intended for wide range of applications, from magazine ads and newsletter fillers to logo design. Volume 1 contains individual objects, \$41.95. Volume 2 contains complete scenes, \$44.95.  
*Artistic Software, Inc., 55 Selwyn Place, Kanata, Ontario, Canada K2K 1P1; (613) 591-6039*

### Canvas v1

Canvas is the first in a series of full screen art collections by Warner Bros. artist/ animator Ryan Roberts. The three-disk package includes 13 classically styled animations and five pictures, all

featuring animals and fantasy characters. \$34.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### Color Clip Art Vol.I-General

More than 200 color bitmapped images in Amiga IFF (ILBM) format for use in paint, desktop publishing, hypermedia, etc. Includes 20-page manual with instructions, index, and a printed sample of each image. Hi-res images. \$34.95  
*Software DesignsO. Box 2521, West Columbia, SC 29171; (803) 951-6366*

### Color Clip Art Vol.II-Holiday

Color, bitmapped images on Christmas theme. Includes 'tree decorating kit,' a 'nativity construction kit,' and an assortment of full-screen pictures especially for making greeting cards. \$34.95  
*Software DesignsO. Box 2521, West Columbia, SC 29171; (803) 951-6366*

### Color Clip Art Vol.III-Animals

Color, bitmapped images in 10 categories of animals—most anti-aliased, realistic; for use in paint, DTP, hypermedia, etc. Includes a 16-page manual with extensive instructions and a printed sample of each image. Hi-res images. \$34.95  
*Software DesignsO. Box 2521, West Columbia, SC 29171; (803) 951-6366*

### Color Clip Art Vol.IV-General

Color, bitmapped images—the most requested ones by owners of Volumes I-III. \$34.95  
*Software DesignsO. Box 2521, West Columbia, SC 29171; (803) 951-6366*

### Comic Art-Funny Figures

Professionally-drawn clip art for ComicSetter featuring looney-toon-style figures, backgrounds, and props. Can be used with any IFF program. \$34.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Comic Art-Science Fiction

Science fiction clip art for Comic Setter with body parts, backgrounds, and props. Can be used with any IFF program. \$34.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Comic Art-Super Heroes

More clip art for Comic Setter. Two-disk module features Super Heroes. Can be used with any IFF program. \$34.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Couples in Embrace

Clip art collection designed for the individual interested in romance and the depiction of the act of love. Collection consists of tastefully drawn line art of intimate scenes of heterosexual couples in the act of love. Contains two disks of Professional Draw clip objects and IFF paint images for use in drawing, desktop publishing, and paint programs. Compatible with PageStream, ProDraw, and ProPage. Purchaser must be 18 years or older. NTSC.  
*Madriral Designs, P.O. Box 2292, Santa Rosa, CA 95405; (707) 539-5675*

### Interface Design Kit

This kit provides excellent button and icon clip art to the countless people who use multimedia presentation systems and software authoring systems. Included are dozens of buttons and icons depicting frequently-used features in Amiga software—mouse, music, videodisc, clock, printer, etc. Also included are several versions of generic buttons such as circles, rectangles and arrows. All buttons included in medium-res and hi-res. Four disks. \$59.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### LogoLibrary™

Consists of over 1060 images for desktop publishing. Included are over 600 printer's logos for business advertising, stationery, etc. There are also 460 symbols and graphics for charts, posters, shirt designs, signs, etc. All images are hi-res 300 dpi

graphics in .IMG format for PageStream and TouchUp. Six disks and 72-page directory. Distributed by American Software Distribution. \$39.95  
*Sterling Connection, The, P.O. Box 4850, Berkeley, CA 94704; (707) 823-5500*

### Lunar Construction Set

A two-disk set of clip art and background components for creating custom-made lunar and space scenes. LCS includes several brush ANIMS, as well as several full screen anims and pics which stand as examples of the usage of these components. The package also includes some informative screens depicting how detailed asteroids, mountains, and craters are drawn, step-by-step. Overall, 183 clips; 24 pics (some in HAM mode) and 10 ANIMS appear in this package. \$24.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### Pixelations' PostScript Series: Typographers' Ornaments Volume 1,2,3,6,&7.

These are Amiga-Encapsulated PostScript clip art, including both IFF screen representations and the EPS code. The ornaments themselves are structured-drawing versions of traditional printers' illustrations; very distinctive, highly versatile, and well-suited for repeated use. They can be used with PixelScript or any PostScript printer. \$65.00  
*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532; (508) 393-7866*

### Pro-Quality Clip Art PGS. Struct.#1

Pro-Quality Clip Art, 100% PageStream compatible structured drawings. Aegis format. Includes symbols, holidays, U.S. map, and airplanes. One disk. No jaggies. \$19.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Pro-Quality Structured Airplanes V1

Over 70 Aegis-format, structured drawings of early and modern airplanes—from the Fokker to the F14, with 100% Professional Page compatibility. No jaggies. \$19.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Pro-Quality Structured Collection #1

Aegis format, structured drawings. Symbols V1, cartoons V1, Holidays V1, U.S. and World Maps, with 100% Professional Page compatibility. Five disks, 300 drawings. No jaggies. \$99.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Pro-Quality Structured Collection #2

Aegis-format, structured drawings. Symbols V2, cartoons V2, Sports V1, and Animals V1, with 100% Professional Page compatibility. Five disks, 450 drawings. No jaggies. \$99.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Pro-Quality Structured PreHistoric Animals

Twenty-four Aegis format, structured drawings of prehistoric creatures, with 100% compatibility with Professional Page. No jaggies. \$19.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

### Professional ClipArt Vol.1

Structured clipart for the Commodore Amiga, for use with desktop publishing and structured art programs, like Professional Page, Professional Draw, PageStream 2.1. Includes images on Australian themes. \$49.00  
*Desktop Utilities, North American dist: Consultron, P.O. Box 3053, Manuka, ACT 2603, Australia; (011) 616-239-6658*

### Professional ClipArt Vol.2

Structured clipart for the Commodore Amiga, for use with desktop publishing and structured art programs, like Professional Page, Professional Draw, PageStream 2.1. Structures collection, Included in Vol.2, contains Sydney Harbour Bridge, Sydney Opera House, and New Parliament House, Canberra. \$49.00  
*Desktop Utilities, North American dist: Consultron, P.O. Box 3053, Manuka, ACT 2603, Australia; (011) 616-239-6658*

# Desktop Publishing

## SilverClips

SilverClips is a unique gallery of black and white IFF images from Creative Focus. Two disks, with a total of 18 original hi-res graphics, provide unusual perspectives on the urban landscape and beauty in unlikely places. The photographic-quality pictures are compatible with any Amiga paint, image processing, video, or desktop publishing program. \$30.00

*Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580; (607) 648-4082*

## Soft-Logik Clip Art Library

Clip Art Library contains over 2000 EPS graphics which can be printed to PostScript printers. Each illustration also contains a TIFF bitmap header which can be printed to any type of printer. These graphics can be imported into PageStream 2 as objects for editing and printing. Clip Art Library is composed of 21 volumes of varying themes such as Business & Industry, Food & Entertainment, and Universal Symbols. Each volume retails at \$99.00. \$99.00

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608*

## Structured Clip Art #1

One full disk of Structured Clip Art for use in ProPage, ProDraw and PageStream 2.1. No Jaggies! These clips are black and white and can be easily edited or colored using ProDraw. Disk One contains Electric Guitars, Skulls, Tropical Fish, World Peace, and Sportsmans Clips. \$17.50

*Lazer Tech Ink, P.O. Box 9471, Anaheim, CA 92812; (714) 772-8428*

## Structured ClipArt

Dozens of pieces of full-color, high-resolution, professionally drawn artwork that you can use to illustrate and enliven your publishing. The clipart covers a wide variety of topics: holidays, food, business, sports, figures, universal signs, maps, and more. \$59.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## The Super Sample Disk

Includes samples of both Aegis-Format Structured Drawings and IFF hi-res MultiScreens. Decide yourself which format is best tailored for your project—DTP, DTV, bitmap graphics, etc. \$6.00

*Hil Tech News, 86 Lanvale Avenue, Asheville, NC 28806; (704) 252-4933*

## The World Symbol Library Vol 8

Egyptian full color splendor #1. *EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## The World Symbol Library Volume 1

Volume 1 contains: A) Egyptian Line Art & Grayscale; B) Egyptian Line Art, Halftones, and HAM, and C) Celtic 300 dpi Line Art. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95

*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

## The World Symbol Library Volume 10

Sexual symbolism has a long history of ritual in every culture. On five disks. (Must be 18 or older. Proof of age required.) \$99.95

*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

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Texture wrapping is a technique made possible by the computer art medium. With it, textures and pictures can be wrapped on any 3-D or pseudo-3-D surface, giving forms the look and feel of the textures placed upon them. The results are often spectacular, and always amazing, especially on the Amiga. These volumes represent the most diverse and unique library of texture maps anywhere, and were created with the Amiga artist, animator, and desktop publisher in mind. Some are in HAM color, in grayscale hi-res, and in sharp black and white. The volumes are separated according to subject area of the topic. WRAP SESSION 1 contains: A) OP-ART Wraps, B) OP-ART Wraps, C) a free art disk. WRAP SESSION 2 contains: A) OP-ART Wraps, B) OP-ART Wraps and grayscales. WRAP SESSION 3 contains: A) Scanned Wraps of Crochet Patterns, B) Scanned Wraps of Crochet Patterns. WRAP SESSION 4 contains: A) Amish Quilt Wraps, B) HAM Flower Wraps. WRAP SESSION 5 contains: A) Wraps of Electron-microscope wood patterns, B) More Crochet Wraps and Electron-microscope wood patterns. WRAP SESSION 6 contains: A) HAM Natural Wraps: Wood, gravel, rock, and other surfaces, B) More HAM Natural Wraps. WRAP SESSION 7 contains: Additional Natural Wraps, B) Additional Natural Wraps. WRAP SESSION 8 contains: A) Full color Sky Wraps, which give the illusion of living planets when texture mapped on spheres, B) more Sky Wraps. Each two-disk set is sold separately for \$49.95.

*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Desktop Publishing

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## World Symbol Library Vol.6

Volume 6 focuses upon grayscale images configured from 24-bit scans at 200 dpi. Subjects include Egyptian, Buddhist, and other world icons. One disk features 16-color hi-res images. Three-disk set. \$44.95

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Anyone ordering this package must show proof that they are 18 years or older. This four-disk set focuses upon 'sexual symbols of the world' and covers a host of cultures and time periods. The material varies from black and white, to grayscale, to full color, and is suitable for both DTP and DTP use. \$99.95

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## ◆ FONTS ◆

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*Allied Studios, 482 Hayes Street, San Francisco, CA 94102; (415) 863-1781*

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DJ Fonts Volume II is another three-disk collection of downloadable HP DeskJet soft fonts. It contains 64 different fonts spread among 17 different typefaces, including Rockland and Amertype, and 10 varieties each of Hollow, Shadow, and Obverse Shadow fonts. Point sizes are from 10 to 30. Most are proportional, and more than two-thirds are one- or two-pass fonts that can be used with any DeskJet. \$25.00

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*Dennis Palumbo, 104 Barrymore Blvd., Dept. X, Franklin Square, NY 11010; (516) 352-5605*

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Our PostScript typefaces for international language Esperanto also support Afrikaans, Catalan, Dutch, English, German, Italian, Maltese, Spanish, and Turkish. Unlike other fonts, all our accent/base pairs are cached whole rather than as separate parts. Thus our fonts are neither English-biased nor Encoding-specific. Each package contains one complete typeface family in both downloadable Type 1 and Type 3. Also includes metric files, PostScript prolog file extensions, Amiga screen fonts, and a keypad. Requires PostScript printer or

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An interactive program for creation and conversion of any fonts. Vector-oriented fonts, symbols, or icons will be processed as Outline fonts. These fonts can then be processed in varying sizes using desktop publishing programs such as PageStream, Professional Page, and Publishing Partner. Fonts will be available for use on laser printers and Linotronics machines, and will be available for use from Workbench as Intellifonts. Includes one diskette and manual. Requires 1MB RAM min, 3MB recommended for higher res; Kickstart 1.3 (2.x recommended).

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

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Forty supplemental fonts and borders for PrintMaster Plus, and free upgrade disk for original PrintMaster. \$34.95

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*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Mifont 1.1c

Mifont, the PostScript Font Conversion/Management system, converts Macintosh PostScript screen fonts into standard Amiga bitmap/Professional Page metric file formats. As well, Mifont converts any Mac or IBM Type 1 printer font into a format that Professional Page can download automatically. Mifont is extremely easy to use and contains powerful font management functions for maintaining large font libraries. The Adobe Screen Font Library (over 1000 fonts!) is available from Mirror Image at PD prices! Professional Page 2.1/Workbench 2.0 compatible. \$105.00

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Mioutline 1.0 will convert any PostScript Type 1 printer font, in either Mac or IBM format, into a fully compatible Professional Draw outline font. The font's actual letterforms may then be manipulated with any of ProDraw's drawing tools to create effects, specialty type, and logos. All font characters (to a maximum of 224) are accessible from ProDraw, complete with kerning. As with Mifont, all standard characters are rearranged to Amiga order. Also included is a utility for instantly viewing any ProDraw font's character outlines, kerning pair

# Desktop Publishing

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## Outline Fonts

These high-quality AGFA Compugraphic outline fonts are designed for use with Professional Page v1.3 and higher as well as Professional Draw. All are postscript compatible which will output to the highest resolution of any type of printer. Also included is a utility to allow you to convert these fonts to standard Amiga bitmap fonts. \$199.95

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PROGRAFIX SOURCE Benchmark Fonts are high quality collections of classic and contemporary display fonts designed to add dynamic high visibility impact to your projects, whether used alone or as a supplement to text fonts already available for the Amiga. The PROGRAFIX SOURCE Benchmark Font series currently includes the following collections, priced at \$47.95 each: Society Hand Benchmark Font Collection, Quick Hand Benchmark Font Collection, Art Deco Benchmark Font Collection, King's Quill Benchmark Font Collection, Cleric's Quill Benchmark Font Collection, GraphiCraft Benchmark Font Collection, and Free Flow Benchmark Font Collection. \$47.95

**PROGRAFIX SOURCE, 3827 South 58th Court, Cicero, IL 60650-4212**

## PageStream Disk A

Disk A contains screen font files and font metric files for 11 fonts. This package does not include the outline font files. The 11 fonts are Avant Garde, Bookman, Chancery, Courier, Dingbats, Helvetica, Helvetica Narrow, Palatino, Schoolbook, Symbol, and Times. This package is for PostScript printer users only. \$39.95

**Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608**

## PageStream Font Pack 1

Font Pack 1 contains outline font files, screen font files, and font metric files for 14 fonts. The 14 fonts are Athena, Calgary, Circus, Devoll, Elegance, Keyboard 2, LinePrinter, LucisSans, PageStream, Roman Bookface, Spokane, Thames, WestSide, and Zip. \$75.00

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## PageStream Plus Pack

The Plus Pack contains outline font files, screen font files, and font metric files for 11 fonts. The 11 fonts are Avant Garde, Bookman, Chancery, Courier, Dingbats, Helvetica, Helvetica Narrow, Palatino, Schoolbook, Symbol, and Times. \$75.00

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An Intuition-based font shadow and anti-aliasing generator. Using a WYSIWYG real time interface, Antialiasing and background Shadows are added to normal Amiga fonts. Total Load/Convert/Save times are under one minute. Extremely easy to use, no prior experience required. Requires Amiga 500/1000/2000/2500/3000; Workbench 1.3 or higher; 1MB RAM; Workbench 2.0 Compatible. \$24.99

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## Soft-Logik Library Classic Fonts

Classic Fonts contain 16 PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The 16 fonts are ITC Berkley Oldstyle Book, ITC Berkley Oldstyle Book Italic, ITC Berkley Oldstyle Bold, ITC Berkley Oldstyle Bold Italic, ITC Caslon Book, ITC Caslon Book Italic, Castle, Commercial Script, ITC Fenice Regular, ITC Fenice Regular Italic, Futura Condensed Bold, Futura Condensed Extra Bold, Futura Light, Futura Medium, Gill Sans, and Gill Sans Bold. \$199.95

**Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123; (314) 894-8608**

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Designer Fonts contain 16 PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The 16 fonts are Architectura, Ad Lib, Albertus Bold, Banco, Corvinus Skyline, ITC Clearface Contour, Eurostil Extended Bold, Fraktur, Friz Quadrata, Friz Quadrata Bold, Gill Sans Ultra Bold, L & C Hairline, Murray Hill, New Yorker, Reporter, and Uniform 49 Ultra Condensed. \$199.95

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Postscript Type-1 fonts packages for Amiga ProPage and PageStream compatible versions. 16 antique, authentic western-style fonts for country & western, rodeo, old-time traditional values posters, headlines, playbills, and theme pieces. Higher quality, smaller file/memory size, faster rendering. No foreign language accents or ALT characters. PPage fonts include downloadable 'psfonts', screen bitmap fonts, metric files, easy install icon. No Compugraphic style fonts. Require Postscript printer. PageStream fonts suitable for conversion into CG fonts for PageStream/PPage, with ownership of PPage 3/PDRaw3 Font Manager. Include downloadable PS fonts and required AFM files. For any supported printer. \$30.00

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## ♦ FORMS ♦

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### Award Maker Education Library

The Education Library will provide you with 10 new borders not available anywhere else. Plus you will receive the four new fonts. \$29.95

**Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512; (616) 698-0888**

### Award Maker Plus

Easy-to-follow program creates awards, certificates, licenses, coupons, or other documents you design. Program prints hundreds of pre-designed award styles, allowing you to choose text style, enter your own message, and select the border style and color. In some styles, you can enter your own hi-res picture. Features professionally designed color and B&W borders, gold embossed press-on seals, and class name file capability. \$49.95

**Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512; (616) 698-0888**

### Award Maker Sports Library

The Sports Library will provide you with seven new borders not available anywhere else. Plus you will receive the four new fonts. \$29.95

**Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512; (616) 698-0888**

### Idea Forms One

Idea Forms One is a personal productivity package for use with PageStream. Idea Forms includes over 200 templates and forms for personal or small business use. The templates are divided into 11 design series, allowing you to maintain a uniform appearance for a range of documents. Requires PageStream 2.1 or higher. Includes three disks and 24-page manual. Price: \$34.95 plus 5% shipping and handling (10% outside USA and Canada).

**I•Koen Design, P.O. Box 20135, St Louis, MO 63123**

### QwikForms™

Qwikforms consists of over 100 different forms and layouts for PageStream. Forms are included for business, legal, and real estate. Save time with ready-made layouts and templates for invoices, ledgers, newsletters, resumes, stationery, charts, menus, wills, invitations, cards, booklets, flyers, etc. Also included are architectural symbols for floor plans, logos for business stationery, and two disks of clip art. \$39.95

**Sterling Connection, The, P.O. Box 4850, Berkeley, CA 94704; (707) 823-5500**

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Desktop Publishing

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## ◆ PRINT UTILITIES ◆

### 360 dpi Fonts

Complete set of 360 dpi fonts for the NEC 24-pin printers. Requires the NEC P6 driver and AmigaTeX, 10 disks. \$75.00  
*Radical Eye Software, P. O. Box 2081, Stanford, CA 94309; (415) 322-6442*

### Epson FX Printer Driver

AmigaTeX driver and fonts for the Epson FX, MX, JX, and compatible series of printers. Also includes separate driver for almost all Epson-compatible printers, 10 disks. \$100.00  
*Radical Eye Software, P. O. Box 2081, Stanford, CA 94309; (415) 322-6442*

### ImageWriter II

AmigaTeX driver for the ImageWriter II, 2 disks. \$100.00  
*Radical Eye Software, P. O. Box 2081, Stanford, CA 94309; (415) 322-6442*

### Laser Printer Drivers

AmigaTeX laser drivers. Includes drivers for 300 dpi PostScript printers, the HP LaserJet Plus and Series II, and the HP DeskJet printers, with 8 disks. \$100.00  
*Radical Eye Software, P. O. Box 2081, Stanford, CA 94309; (415) 322-6442*

### NEC P6 Driver

AmigaTeX drivers and fonts for the NEC P6/P7 series of printers and the Epson LQ series of 24-pin printers with 6 disks. \$100.00  
*Radical Eye Software, P. O. Box 2081, Stanford, CA 94309; (415) 322-6442*

### PSFont 2.0

PSFont 2.0, the Adobe Postscript™ font downloader for the Amiga allows the user to tap into the many font styles currently available to the MS-DOS and Macintosh communities. PSFont 2.0 allows the Amiga Desktop Publisher to download Type I (Adobe) and Type III (PostScript™ compatible) fonts to a PostScript device (laser printers, imagesetters, etc.). PSFont can download multiple fonts, through both series and parallel interfaces, limited only by the amount of existing memory on the printer. Full CLI, Workbench and TASS support. PSFont is Workbench 2.0 compatible. \$139.95  
*Canadian Software Developers, 4 Catbness Avenue, Toronto, Ontario, Canada M4J 3X7; (416) 466-6450*

### Palette Printer

Hard copy output can closely match your RGB monitor colors. P.P. is a carefully designed color match and color selection system for the Amiga artists and graphic designers. 30 IFF files print 850 color swatches to any color printer. Compare these P.P. color charts to any process printer's color match system of your computer monitor to select color settings in any Amiga paint or desktop publishing program to create a matching color. Create professional product design models or graphic design approval layout. Or, simply use the P.P. charts as the fastest reference utility to pre-select color settings for precise hard copy results. \$29.95  
*Ontological Survey, P.O. Box 17488, Milwaukee, WI 53217; (414) 332-1818*

### PixelScript V1.1

PixelScript brings the power of PostScript to your Preferences printer, at any resolution your printer supports. PixelScript comes with equivalents to the two leading font families (Times and Helvetica). PixelScript supports Encapsulated PostScript clip art for truly professional desktop publishing. Additional fonts, clip art, and utilities available. \$149.00  
*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532; (508) 393-7866*

### Pixelations' PostScript Series; PostScript Printer Utilities

This disk contains six utilities which facilitate the use of PostScript printers with Amigas. Included: Download Fonts; Print-a-PostScript File; List Printer-Resident Fonts; and several methods for manipulating the automatic sending of fonts within a document. \$65.00  
*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532; (508) 393-7866*

### Pixelations' PostScript Series; Sample Disk

This contains three PostScript fonts, including one intended to aid in technical documentation for Amiga products; 20 pieces of clip art, much of it Amiga-related; and a utility to generate Zoomed text to the user's specifications. \$65.00  
*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532; (508) 393-7866*

### PrintMaster Plus

Graphic printing program. Includes clip art, fonts, and more. \$39.95  
*Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501; (510) 748-6670*

### Professional Page Templates and Design Guide

This package contains over 50 professionally-designed, pre-configured templates for Professional Page, as well as a 48-page design manual full of useful design and layout tips. Type specifications—typeface, size, style; justification, text run-around, and more—is all pre-set. Just flow in copy and print. This is extremely useful for those beginning desktop publishing, or others with limited time to devote to design details. \$59.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Pure Color

Pure Color is a collection of printer palettes designed for graphic artists or anyone with a need for color hard copies. Each IFF screen holds 32 different colors that can be printed to give the Amiga artist a convenient color chart for quick reference. Each color is clearly labelled with the numeric setting for RGB. There are over 500 different color settings as well as numerous dot pattern settings and a Quasi-HalfBrite chart. Pure Color is a collection of IFF compatible screens that are used as a color reference guide, and works well with any type of printer. Designed by graphic artists using DeluxePaint II. \$24.95  
*Graphic Design Studio, 417 Transcontinental Drive, Metairie, LA 70001; (504) 455-0341*

### SaxonScript Professional

The world's most sophisticated PostScript Interpreter. Produces better graphic output than Adobe PostScript printers. Virtual memory and automatic sensing of 68881/68882. Compatible with ALL Preferences printers and ALL PostScript applications (Professional Page, PageStream, QuarkExpress, CorelDraw, etc.). Supports all monochrome/color PostScript operators and downloadable PostScript fonts; file conversion to IFF, EPS, AEPS, or DR2D; font conversion to Amiga Bitmap, Adobe/PC/Saxon Type 1 formats; extraction of imbedded fonts from PostScript disk files; true PostScript Screen Preview; PostScript compression, moire testing, and more. Free with Saxon Publisher V1.2. NTSC/PAL. International keyboards, foreign distribution. Requires 68000/020/030/040, 1MB min., one floppy and one hard or two floppy disk drives. AmigaDOS 1.3, 2.0 compatible. \$130.00  
*Saxon Industries, P.O. Box 33005, Nepean Ontario, Canada K2C 3Y9; (613) 228-8043*

### Shinko & Mitsubishi Preferences 1.3 Printers Drivers

We offer a complete line of thermal color printer drivers for the Mitsubishi and Shinko A&B size color printers. They are 100% Amiga Preferences 1.3 drivers. \$400.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### TruePrint/24

This stand-alone utility outputs 24 bit-plane color or 8 bit-plane gray scale images on Preferences-supported printers. Outputs prints of any size from single pages to outdoor signs. Even print graphics on non-graphic printers. Can print directly from disk. Provides 11 dithering and halftoning techniques, traditional and artistic. Kickstart 1.3 and higher compatible. Does not require ADPro. \$89.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

Please see display ad in color section.

## ◆ TUTORIAL ◆

### Buddy System for AmigaDOS

Your personal guide through the fundamentals and features of the Amiga and its operating system. Enjoy a unique, hands-on approach to learning that lets you proceed at your own pace. Features include point and click Hypertext interface, real-time, visual demonstrations with the exclusive AniMouse instructor, and speech narration and captioning. The Buddy System is a complete source of reference with help for getting started on the Amiga; Workbench and Shell techniques; AmigaDOS and AREXX online reference; Scripting, Mountlists and Startup sequences; and the Preference Editors. Requires Kickstart and Workbench v2, 1MB RAM, and two drives (hard drive recommended).  
*HelpDisk Inc, 13860-12 Wellington Trace, Box 200, Wellington, FL 33414; (407) 798-8865*

### Buddy System for DeluxePaint III

A tutorial interface for DPaintIII that is accessed through the help key. Concise text explanations and live, audio-visual demonstrations are presented interactively while DeluxePaint III is in use. \$49.95  
*HelpDisk Inc, 13860-12 Wellington Trace, Box 200, Wellington, FL 33414; (407) 798-8865*

### Buddy System for DeluxePaint IV

Provides updated information and the latest hypertext interface to support DeluxePaint IV. Will increase productivity by flattening the learning curve. Two-disk set provides point and click hypertext interface, real-time audiovisual demonstrations with AniMouse instructor, speech narration and captioning. Is a complete source of reference. \$49.95  
*HelpDisk Inc, 13860-12 Wellington Trace, Box 200, Wellington, FL 33414; (407) 798-8865*

### Buddy System for Imagine 2.0

Runs interactively with Imagine to guide you through Impulse's powerful 3-D animation rendering program. Intuitive interface provides quick and random access to informative lessons. Clear, concise explanations of all Imagine features. Real time, visual demonstrations with the exclusive AniMouse instructor. Captioned speech narration synchronized with demonstrations. Requires 1.5MB RAM minimum, two drives (hard drive recommended), Kickstart 1.3 or higher. \$49.95  
*HelpDisk Inc, 13860-12 Wellington Trace, Box 200, Wellington, FL 33414; (407) 798-8865*

### Buddy System for PageStream

A tutorial interface for PageStream, that is activated with a simple press of the helpkey. Help information is displayed directly on the PageStream screen. Hypertext files and audio-visual demonstrations are presented. Requires at least 1.5MB, two drives and PageStream 2.1. \$49.95  
*HelpDisk Inc, 13860-12 Wellington Trace, Box 200, Wellington, FL 33414; (407) 798-8865*

### MegaDOS AmigaDOS Manual on Disk

A complete reference and tutorial guide for using AmigaDOS, both Workbench and CLI. Designed to eliminate the confusion of other DOS manuals. Full of examples with many hints and tips. Australian \$19.95.  
*MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065; (011) 612-959-3692*

# Music General

## ◆ MUSIC GENERAL ◆

### A-Sound 2.0

A-Sound 2.0 is a powerful, low-cost monophonic sound editor for the Amiga. It sports a friendly, intuitive interface, a full-featured set of editing tools, and over 20 special effects that can be applied to sound samples. A-Sound 2.0 also provides a total of 16 individual sound buffers (tracks) for sample editing. For sound sampling, it supports any PerfectSound or compatible digitizer, including PerfectSound 3.0. Amiga 500, 1000, 2000-based, 3000 with 512K. AmigaDOS 2.0 compatible. NTSC/PAL. \$29.95

*Deltaware Products, 3148 Kingston Rd., Ste. 202, Box 395, Toronto, Ontario, Canada M1M 1P4; (416) 431-2047*

### A-Sound Elite

A-Sound Elite is a stereo audio sample editor with powerful capabilities. Among its notable features are sequenced loops, record-to-disk, AReXX support, precision editing, 16-bit sample support, an Undo command, and multi-octave/multi-track sonix and IFF instrument saving. AmigaDOS 2.0 compatible. NTSC/PAL. \$129.95

*Deltaware Products, 3148 Kingston Rd., Ste. 202, Box 395, Toronto, Ontario, Canada M1M 1P4; (416) 431-2047*

### Aegis Sonix

Combine instruments, sampled sounds, and digitized AudioMaster files. On-screen musical editing lets you see each note as it's entered on the staff. Has built-in MIDI controller. Supports eight MIDI voices with up to 32 channels and 16 MIDI patches for each channel, or four Amiga voices and four MIDI voices. Saves files in IFF or RFF formats. Use pre-programmed instruments or create your own using the Sonix synthesizer. \$79.95

*Oxxit, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see display ad page 171.**

### Bars&Pipes

Unique Pipeline concept allows the user to direct the flow of musical information on a track-by-track basis either prior to or after recording takes place. Includes the Toolbox with a keyboard splitter, event filter, chord substitute, inverter, and harmonizer to name a few. Create a Tool allows the user to construct customized Macrotools. There is no limit to the number of tracks. Sequencer features include global cut, copy, and paste; autolocate registers; punch in and out; looped mode recording; global display of music on all tracks; A-B-A global song construction and editing; high-resolution timing (192 clicks per quarter note); tempo maps; sync to external MIDI or time code; audible metronome; and rhythm, chord, key, multiple time signature, and lyric output. The Editor is either a piano roll display or bars on a staff. Lyrics can be typed over the music. Simple, intelligent, object-oriented user interface. MIDI File Format compatible. The upgrade fee is \$99.00. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$199.00

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

### Bars&Pipes MusicWare Collection

The Collection features over 100 music files in Bars&Pipes and MIDI file formats. This diverse

collection of material includes classical, pop, rock, jazz, ethnic music, plus soundtracks, rhythm tracks and standards. Selections include Love Shack, Straight Up, Hey Jude, The Brandenburg Concerto, Beethoven's Eighth Symphony in F major, Last Waltz and more. Call for pricing. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution.

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

### Bars&Pipes Professional

Bars&Pipes Professional's state-of-the-art features include an unlimited number of tracks and notes; merge and overwrite recording; automated mixing; notation editing and print-out of transposed score, concert score and individual parts; automatic transposition; graphical song construction; graphical tempo mapping; event list, hybrid, notation and piano roll editing, system exclusive recording and editing; real-time non-destructive editing; algorithmic composition; rhythmic generation; loop-mode recording; time-line scoring; macrotool design and construction; open-ended architecture; expandable design; and more. The upgrade fee is \$199.00. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$379.00

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

### Bars&Pipes Professional 2.0

In addition to Bars&Pipes Pro 1's features, 2.0 includes improved notation display and editing, pattern-style loop editor, drum mapping, revised look/feel, groove quantize, sequence trigger, tempo tap & rubato, slide show presentation, Toaster control, AReXX and device control, SunRize direct-to-disk Tools, Triple Play Plus Tools, animation player, SoundCanvas setup, Supergen control, SMPTE display in both graphical and list editor, hit list editing, background display of alternate track, guitar tablature, Tool trays, program change selection by name, PatchMeister automatic installation of patch lists, saving notation as IFF image, Tools listed with names in Toolbox, integrated Transport Controls, improved song construction, event-specific recording/merging, event filter display, improved graphical editing, expanded MIDI file format, 2.0 feature support, SMUS conversion. NTSC/PAL, English/German. Minimum requirements: 6800, 1.5MB, Workbench 1.3/2.0, MIDI instrument. Available December 1992. \$429.00

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

### Bars&Pipes Professional V1.0e

Version 1.0e includes minor enhancements and bug fixes. Available to all registered users of Bars&Pipes Professional. This update also provides the elements required to use the Pro Studio and Creativity Kits to their fullest potential. \$9.50

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

### Composer Quest

Composer Quest offers a revolutionary, interactive, and fun way to learn music history through the work of the great composers, from 1600 to the present. It can be used as a game or a learning

application. The program cross-references important developments in world history, visual art, and sociological change. Composer Quest features 75 digitized 'sound samples' of original performances of some of the greatest musical works ever composed and recorded. It requires a hard disk to install. See CDTV section also. \$199.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Copyist Apprentice

Music printing and scoring program prints five pages of music on a dot-matrix printer. \$149.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Copyist DTP

Music printing and scoring program prints 100 pages of music on dot-matrix, laser, or PostScript printer. With Adobe Sonata fonts. Supports IFF and EPS files. \$399.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Creativity Kit

The Creativity Kit, which requires Bars&Pipes Professional, is designed to accommodate the creative needs of musicians, professional and amateur alike. It includes Accent Randomizer, All in One, AnyPhonic, Arpeggiator, Articulation Randomizer, Auto Modulate, Auto Transpose, Past Out, Random Notes, Riff-Chord, Rhythm Section, Step'n Out, Tapped Out, Tri-Arpeggiator, True Gliss, and Whoopie. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

### Daudio

Plays stored audio sound direct from hard disk. Unlimited file sizes. Four channel selections plus other options. Supports AudioMaster sequences. Completely compatible with most Amiga authoring software. 50 Australian dollars.

*GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402*

### Deluxe Music Construction Set

Full-featured sound editor with complete input, notation, and score printing. \$99.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

### Digital Sound Studio (DSS8)

A complete low-cost sound and music solution for the semi-professional and the audio hobbyist. Consists of small, high-quality 8-bit stereo sound sampler that connects into parallel port on all Amiga models, combined with the fastest, most powerful and easy-to-use sound and music editing program available for the Amiga. Any RCA-type audio source can be connected to the sound sampler, allowing the user to edit music, add special effects, compose a song, and even create a video soundtrack. Features: cut, paste, mix, filter, echo, reverberate, fade out, fade in, play backward, speed playback, slow playback. \$79.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Music General

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| <b>MUSIC</b>                         |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Digital Studio

A stereo sound handler for Amiga computers. A digital sampler, editor (and sequencer) is fully complete, of high fidelity (simple to use at an affordable price); yet it remains a professional tool. Digital Studio has 10 memory work zones; these buffers will allow you to work on several different pieces of music, and even better, to play one piece while working on another, or even to play samples at the same time, with different frequencies (pitch) if so desired. The zoom in Digital Studio permits you to magnify the waveform. DRAW permits you to touch up the waveform. There are menu commands for volume, and echo. Modified sounds can be saved on a floppy disk or on a hard drive in IFF format. Supplementary characteristics include: Sampling Rate to 44KHz, automatic voice activation, left, right volume control, anti-aliasing audio filter control, transform mono into stereo and vice versa, and graphic oscillator for control of audio entry level. Digital Studio is compatible with all the digitizers whose sampling rate is high enough to permit quality sound recording  
*Adept Development, P.O. Box 20, 1000 Lausanne 5, Switzerland; (011) 4121-312-1202*

## E-Z FM Synthesizer

Easy-to-use software program for creating instruments and sounds for you Amiga. E-Z produces realistic sounds as well as synthetic or futuristic sounds with rich harmonic content. This program uses a minimum number of steps making it 'EaZy' to use. \$59.95

*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

## Harmoni

Enables musicians to use their Amiga to record and edit music sequences composed of up to 24 tracks with synthesizers, drum machines, and any other MIDI-equipped instruments. MIDI channel assignments can be set up for each track so that sequences can be fully orchestrated and played back. Provides four different types of velocity scaling, three ways to arpeggiate chords into individual note runs, plus merging to combine several tracks into a single track. Other functions include MIDI filtering, sequence looping, and SMPTE sync. 1MB recommended. Requires MIDI interface, cables, and any MIDI equipped synthesizers, drum machines, or other equipment capable of sending or receiving MIDI data. Note Australian address in Vendor Information. \$49.95

*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

## Harmonizer 1.0

Harmonizer is a chord calculator. You give the parameters (e.g., Scale, Degree, Inversion, Alteration), and Harmonizer builds the chord, displays its notes, plays it, and prints it. Harmonizer is intuitive and playable, allowing even beginners to experience the principles of harmony. Includes voice leading generator. Chord successions can be edited, saved, loaded, printed, and replayed, word processor style. Also ideal for ear training. PAL/NTSC. Foreign language version available upon request. Requires 512K. \$50.00  
*HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319; (011) 972-331-5967*

## Hyperchord 2.0

A dynamic riff sequencer, designed for professional musicians but additive fun for amateurs. The principle behind Hyperchord is that most music is based on short themes and motifs, which are then varied in rhythm, pitch, and order to create larger musical movements. Hyperchord lets you create riffs (sequences) of up to 40 notes using such original features as Riffwaves, Weave, Smear, Rotate, Expand; then store and manipulate in real time, varying pitch, speed rhythm, volume, note order, orchestration, harmonies, and trill. For intense riffing, switch between 60 user-defined scale

modes and 40 rhythms, or employ unique cyber-musical tools such as Holistic Play and VectorPlay. Three utilities included: Mode Maker, Rhythm Maker, and Holistic Window. Use with A500, A1000, A2000. 1MB recommended. From Hologramophone Research. \$159.00  
*Hologramophone Research, P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

## Internal Sounds Kit

With the Internal Sounds Kit, you no longer need MIDI to compose and create. This package, part of the Bars&Pipes Add-on Series, provides the keyboard, the instruments, and the player and includes: Spare Keys (tool), which allows you to enter notes with the mouse or Amiga Keyboard; Amigophone (tool), which lets you load an unlimited number of IFF sounds and adjust high or low fidelity, fine tuning, modulation, octave shift, pitch bend, vibrato rate and depth, emphasis, attack, release, and volume. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## KCS 3.5

KCS is a 48-track sequencer that operates in a linear- or pattern-based mode. It also allows assembly of up to 16 songs at a time. It features realtime graphic editing of notes and controllers, quick scoring and printing of standard musical notation, automated MIDI mixing, and comprehensive algorithmic and global editing. (Version 3.5 combines KCS, Level II, Tiger, and Quickscore in one product.) Requires 1-2MB memory, depending on number modules loaded. \$400.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

## Keys to Music Vol.I Learn To Read Music

Volume I is music teaching software that supplies knowledge to complement the learning of musical instruments. It covers musical terms, names of the notes, note values and basic rhythm. Keys to Music is a highly developed version of the program that won first prize in Commodore's 1991 AmigaVision contest. It uses synthesized voice, graphics, text, brief histories and musical examples. Games and drills to enhance learning are provided throughout. Quizzes are given at the end of each lesson and the results are entered into a database. Keys to Music makes learning music fun. It is the perfect teaching tool for school-age children on up to adults. \$59.95

*Electric Theatre* Keys to Music Vol.II Learn To Write Music

Volume II is a continuation of Volume I. It goes into time signatures, key signatures and scales. It continues on into actually writing music. Keys to Music is a series not only for those studying instruments, but for users who would like to write and perform music on the computer. \$59.95

*Electric Theatre* M

M for the Amiga is a real-time interactive composing and performing program. M's graphic screen controls allow you to shape or change any aspect of your composition while you're hearing it. First, you specify notes and chords, and then you determine the ways those notes will be transformed through rhythms, articulation, orchestrations, and many other variables. Finally, you perform your music, either by manipulating screen controls, playing control keys on a MIDI keyboard, or moving the mouse in a conducting grid. M features a capability for automating changes in MIDI velocities, note densities, legato-staccato articulations, and accents. Also multitasking compatible and high-quality internal sounds using IFF 8SVX sample files. \$179.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

## MIDI Music Manager

Play sampled sounds from any MIDI track. Listen to one track while recording another. Eight real-time tracks. Adjustable track length. Works with standard IFF files. \$39.95

*Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121; (800) 782-9110*

## MIDI Quest Universal Editor Librarian

Editors for 90+ instruments, Librarian/Bank Editor for 130+ instruments. MIDI Quest Jr. Universal Librarian/Bank Editor for 130+ instruments also available for \$99. NTSC/PAL, AmigaDOS 2.0 compatible. \$250.00

*Sound Quest, Inc, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8; (604) 874-9499*

## MIDI Sample Wrench V2.0

Complete visual editor system for 16-bit CD quality sounds. Quickly perform subtle or dramatic sound variations. Full cut-and-paste editing with extensive processing tools such as EQ, compression, enveloping, sampling rate conversion, sample mixing, clipboard, and much more. Multiple editors with virtually infinite zoom, scroll, and pan. Preview sounds using Amiga internal voices. Uploads and downloads to your favorite MIDI sampler including Prophet 2000, TX16W, EPS, E-Mu E-MAX, E3, Roland S-770, Korg DSS-1, Akai S612, S700, S900, S1000, Casio FZ-1, and others. Requires MIDI interface and 512K, with 1MB or more recommended. AmigaDOS 2.0 and AReXX compatible. \$299.00

*dissidents, 10325 Woods Road, Utica, NY 13502-9574; (315) 797-0343*

## Media Mogul

Media Mogul, sold extensively with Bars&Pipes Professional 2.0, includes extensive multimedia enhancements, such as complete set of Multi-Media Tools designed to integrate control of non-musical events: Toaster transitions, ANIM file playback, SunRize sound effects, genlocks, video decks, AReXX, much more. (Open ended system lets additional Tools be added.) Media Mogul window provides complete graphic editing of multi-media performance, in SMPTE as well as music time. Recorder saves Bars&Pipes performance in Media Mogul format; freely distributable Player performs Media Mogul performances, including MIDI internal sounds, Toaster transitions, animations, etc. Player can also synchronize to SMPTE, AReXX, and all of special accessories that synchronize Bars&Pipes Pro to other products (Real3D, Imagine, Scala). NTSC/PAL, English/German. Minimum requirements: 6800, 1.5MB RAM, Workbench 1.3/2.0, Bars&Pipes Pro 2.0. Available December 1992. \$109.00

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## Multi-Media Kit

With the Multi-Media Kit, you can co-ordinate your music with other Amiga applications, including Elan Performer, DeluxeVideo III, CanDo, AmigaVision, DeluxeMusic Construction Set, Sonix, and Digi-Paint 3. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## Multimedia FX™ 2.0

Interactive audio sound and videographic special effects tool. Has graphic control panel for interactively exploring and inventing new sound and music effects coupled with video animation tracking effects. Using technique of sample modulation synthesis, user loads custom sound samples and sequence of graphic animation images. A large variety of audio-graphic synchronization effects

# Music General

and outrageous sounds can then be generated from multimedia source material. Synthesize musical sequence and rhythm effects from nearly symphonic to metal, technopop, and sci-fi. Many pitch, timbre, and rhythmic effects are possible from sound sample data; can be very useful in music and sound track applications. Import any IFF 8SVX (65K limit per preset) sound sample files and IFF animation images. Requires 1MB, AmigaDOS 1.3/2.0 compatible. Hard drive installable. \$49.95  
*Pacific Digital FX, 6 Stetson Ave, Kentfield, CA 94904; (800) 800-2448*

## Music Mouse

Interactive compositional program that turns your computer into a musical instrument. Fully MIDI compatible, yet no MIDI is required. \$79.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

## Music-X 1.1

The original Music-X has been updated to Music-X 1.1. Along with some fixes we have also enclosed a control mapper, velocity sculpting, and multiple serial support. Upgrades available to registered users. Music-X 1.1 provides the most sophisticated tools for manipulation of the MIDI environment. \$299.95

*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Music-X Jr.

This is a scaled-down version of Music-X. Music-X Jr. contains a sequencer, bar editor and filter page, and can use Amiga samples. \$149.95

*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## MusicBox A

MusicBox A, part of the Bars&Pipes Add-on Series, opens new doors in computer composition. From the musical to the technical, MusicBox A features some of the following: Accompany B+ (Tool), which creates sophisticated accompaniments using chords and rhythms; Amazing Grace Notes (Tool), which performs grace notes and turns; ARexx In (Tool), which works in tandem with Controlled Bypass Send and Time Bypass Send. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## MusicBox B

MusicBox B, a member of the Bars&Pipes Add-on Series, contains the following Tools and Accessories: Alternator (Tool), which sends every other note to a different track; Arpeggi-8(Tool), which allows you to create arpeggios, drum patterns, and strumming effects; 4 CheckPoint MIDI and Ins and 4 CheckPoint MIDI Outs (Tools), which in conjunction with The Serial Solution provides 80 separate MIDI channels for Bars&Pipes. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## MusicLab-IFS

MusicLab-IFS is a unique new approach to algorithmic composition that takes advantage of the self-organizational behavior of fractals to produce musical scores. Using iterated function systems, almost an infinite number of self-similar, non self-similar and even non-fractal scores can be created. Up to eight multi-voiced instrument parts can be algorithmically generated from the scores. Great alternative source of original music for multimedia authors and new musical ideas for accomplished composers. Supports both IFF SMUS and

MIDI music file formats. Requires Amiga w/ 1 MEG and Workbench 1.3/2.0. Demo available for \$5.00. \$89.00

*Digital Expressions Research, W6400 Firelane 8, Menasha, WI 54952; (414) 733-6863*

## PIXOUND™

Pixound is a radical new concept in musical software, transforming visual art into music. Unlike other programs which provide the computer equivalent of a light show, Pixound allows you to use the musical fingerprint of any image to create, play, and record complex new music. The novice musician or computer user can move from Bach to Rock by simply moving the mouse. The virtuoso, too will thrill at the Pixound adventure of playing a new and unique instrument with every new screen. From Hologramophone Research. \$99.00  
*Centauro Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

## Personal Music Librarian

Comprehensive music collection management system. Easy, flexible data retrieval; search by any item or combination thereof. User-definable fields, categories, subcategories, and media. Handles album and selection info. Serious collectors may track cost, value, and condition. Powerful, menu-driven report writer. Design your own printouts and labels or use those included with PML. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$75.00

*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037; (404) 242-0887*

## Pro Studio Kit

The Pro Studio Kit, which requires Bars&Pipes Professional, is designed to accommodate the needs of professional Amiga musicians. It includes Articulation Modifier, DeFlam, DeGlitch, Event Smoother, Feels Good, Jump Start, Note Converter, Note Filter, Note Mapper, Pitch Bender, Remote Patch, ReTranscriber, Sitrreecettch, Super SetUp, and Velocity Controller. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## Quartet

A power of a synthesizer and four-track sequencer. With Quartet, your Amiga becomes a four-voice polyphonic synthesizer and recorder. Allows playback of up to four instruments simultaneously. Quartet makes four channel composition easy, allowing easy production of commercial quality music. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Quest Editor/Librarian

Quest Editor/Librarian to develop and store sounds for Emu, Ensoniq, Kawai, Korg, Roland, and Yamaha instruments. Major supported instruments: Proteus 1/2/XR, VFX, SQ-1, M1, T1/2/3, D-series, R-5/8/8m, U-20/220, and SY22/55/77/TG33/55/77. AmigaDOS 2.0 compatible; NTSC/PAL available. \$99.00

*Sound Quest, Inc, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8; (604) 874-9499*

## Quest I: Texture

Original Modular Recording, record, edit, and assemble your music in convenient blocks called patterns. Ninety-six patterns of arbitrary length up to 545 beats, 2304 independent sequences, 24 tracks X 96 patterns, 99 links for songs. Create music without having to stop. Full real-time interaction; all 16 MIDI channels may be controlled simultaneously; comprehensive screen window

display. Simple Mouse/menu/keystroke interface, and more. NTSC/PAL. AmigaDOS 2.0 compatible. \$150.00

*Sound Quest, Inc, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8; (604) 874-9499*

## Quest II: Texture

Professional sequencer for the Amiga computer. Features include modular recording, 24 tracks, edit display, MIDI output remapping, swing function, enhanced Amiga interface, linearize function, and clipboard. Includes all the features of Quest I plus 96 patterns of arbitrary length up to 2728 beats, multiple MIDI Channels per track, Quantize-3 new methods of affecting note duration, panic button, and much more. NTSC/PAL; AmigaDOS 2.0 compatible. \$225.00

*Sound Quest, Inc, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8; (604) 874-9499*

## Rave Sampler

From Microdeal. An 8-bit mono sampler for the Amiga at an amazing price. All the features of the Master Sound package including a sequencer. Available December 1992. Price: £19.95 including VAT (£16.98 without VAT).

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Rules for Tools

Now you can create your own tools from scratch using this comprehensive guide to the ins and outs of Bars&Pipes. Rules for Tools, part of the Bars&Pipes Add-on series, includes documentation plus plenty of source code examples. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## S.A.M.

No more problems synchronizing multiple sound sources to each other or video. This integrated SMPTE and MIDI time code converter has four MIDI out, one MIDI in, and serial pass-thru in one unit. On-board CPU generates crystal-locked SMPTE, MIDI time code with zero system overhead. Synchronizes Amiga and attached instruments to audio/video tape or any SMPTE signal. Reads/writes SMPTE in PAL/NTSC, both forward and reverse, from less than 0.25 to twice normal speed. Compatible with all music software supporting MIDI time code. Bundled with Timecode Tool and nifty little animation package. \$199.00  
*Black Knight Peripherals, 255 W Moana #207, Reno, NV 89509; (702) 827-8088*

## SMPTE Output

SMPTE Output is a stand-alone software product that is used to stripe LTC time code onto audio and video tape. This unique new software product generates and sends the SMPTE time code out of the Amiga's audio jack. SMPTE Output allows your Amiga to be the sync master. An additional and very important feature is that SMPTE Output locks to the video sync pulse of each frame of video when used in conjunction with a genlock or a Video Toaster. This feature not found on any other product at this price, make for very accurate time code generation. SMPTE Output works with any Amiga containing at least 1MB of RAM. SMPTE Output will run stand-alone or as an expansion module for SunRize Studio 16, non-linear, audio engineering systems. feature include 24, 25, 29.97, and 30 frames per second time code generation, drop frame and non-drop frame time code, multiple reset points, fast forward, rewind, play and pause buttons. \$249.00

*SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008; (408) 374-4962*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| <b>Music</b>                         |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Music General

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| idmusic                              |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Sequel

32-track MIDI recording/production studio lets you record and over dub music tracks using any digital piano, keyboard, or other controller. Arrange and orchestrate tracks, choosing from both MIDI and Amiga playback sounds. Straightforward interface helps you practice music and instrumental skills, write/perform your compositions, and produce synchronized music for multimedia. MIDI music uses only 1-2% of disk space needed for digital music. Cut, paste, and edit individual notes and chords. Program tempos, quantize rhythms, and loop/chain clips and patterns into completed arrangements. Optional SMPTE-to-MTC converter lets you synchronize to tape, film, or house sync, aligning musical hits to SMPTE frames, and cueing sounds, lights, and MIDI Show Control devices. NTSC. Requires 512K, one floppy. AmigaDOS 1.2-2.0, higher compatible. Available December 1992. *Diemer Development, 12814 Landale St., Studio City, CA 91604; (818) 762-0804*

## SoundScape Pro MIDI Studio

Recording studio environment provides complete facilities for routing, recording, editing, transposition, and playback of any musical performance from both the internal sampled sounds of the Amiga, and/or any external MIDI equipment. Features infinite note and track MIDI sequencer, MIDI Patch Panel links program modules, supports Song Position Pointer to sync with other MIDI clocking systems, MIDI sequence and song editing, and step entry for easy note-at-a-time recording/editing. Echo and Trigger modes provide special sequencing effects. Also integrates with the AmiGen genlock for creating music videos. \$179.95 *Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015; (408) 741-0117*

## Stereo Master

Features include built-in real time special effects, programmable special effects, fast fourier transform 3-D display, built-in twin stereo spectrum analyzer, built-in sample sequencer for up to 18 samples, real time and step time entry of score on sequencer, twin oscilloscopes, full-featured editor, new style stereo cartridge, PAL/NTSC full screen display, real time record/play marker, and fully multi-tasking. SFX include echo, reverb, flange, chorus, pitch up/down, stereo bounce and more. Includes cable and multiple filters. NTSC and PAL. \$79.95. \$79.95 *MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## SuperJAM! Extras Disks

Three additional Extras disks for SuperJAM! interactive composition program: The Pop/Rock Disk, the Classical Disk, and the Cutting Edge Disk. Each disk includes a collection of new musical styles, demos, and sample chord progressions. Each sells individually for \$24.95. \$24.95 *Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## SuperJAM! v1.1

SuperJAM! provides fresh ideas, exciting rhythms, and mesmerizing musical feats at the touch of a button. New version has stereo TurboSounds, two octave chords, visual volume and pan mixing, much more. Create accompaniments, soundtracks, styles, and grooves quickly and easily. Unlike ordinary music programs, SuperJAM! requires little musical finesse in order to accomplish exciting results. Multimedia artists can use SuperJAM! to create and synchronize musical soundtracks with other Amiga packages. Bars&Pipes Professional owners can use it to sketch their musical ideas and try out various musical styles. SuperJAM! can also be run seamlessly within Bars&Pipes Pro. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. V 1.1 available December 10,

1992. \$149.00

*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## Synthia II

Synthia II is a complete Sound Synthesis and Processing Studio (Sound Synthesis, Effects Processor, Visual Editor, and File Interface) for your Amiga. \$124.95 *Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

## Synthia Professional

A 16-bit synthesizer effects processor, visual editor, and sampler/file interface. Create single and multi-sample instruments for use with most music programs or your favorite MIDI Keyboard Sampler. \$395.00 *Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

## The Hyperchord Music Exploration Kit

The kit consists of a disk of four interrelated programs, centering around Hyperchord. Other programs include Mode Maker, Rhythm Maker, and Holistic Window. With Hyperchord you can create, store, and manipulate RIFFs in real-time. In design mode create anything from simple scale runs to complex RIFF waves. Play mode allows you to improvise and loop any of the RIFFs. Customize modes in Mode Maker. Spectral colors are used to show the tonal relationships of the notes. The unique 3-D interface and the graphics alone make this a fascinating and fun program to use. From Hologramophone Research. \$129.00 *Hologramophone Research, P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

## Tiger Cub

A 12-track sequencer with real-time graphic editing and instant standard musical notation for display and printout. Fully MIDI compatible, yet no MIDI is required. For the beginner as well as the semi-professional. \$139.00 *Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

## Video Music Box Ver. 1.6

Video Music Box is Designed to help you compose original music even if you have no musical training. Algorithmic composition capabilities allow quick and easy generation of basic background music sequences in many common styles. Program has complete graphic note editor for easily performing a wide range of standard editing operations with some experimental music options. Additional editors for new chord progressions and patterns provide unlimited program flexibility. Supports both IFF SMUS and MIDI music file formats. Requires Amiga with 1 Meg, workbench 1.3/2.0. Demo available for \$5.00. \$109.00 *Digital Expressions Research, W6400 Firelane 8, Menasha, WI 54952; (414) 733-6863*

## Zero-G Datafiles

Zero-G data disks offer a selection of high-quality samples for use in Amiga music and sequencing programs which accept IFF samples. Breakbeats Volume 1 provides 72 different samples representing many of today's popular dance styles. Recorded at nearly 17,000 cycles per second, each sample has been carefully looped to provide a continuous backing beat for your musical creations. Breakbeats can also be programmed to re-trigger at the start of a bar. 1MB recommended. £34.95 (£39.95 express airmail). *ACE-PYX Computer Services, Distributed by Time + Space, P.O. Box 306, Herts HP4 3EP, England; 011-44-442-870-681*

## ♦ EDITOR/LIBRARIAN ♦

### 4-OP Deluxe

Graphic editor librarian for the TX81Z, FB01, DX100, DX21, and DX27. \$59.00 *Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Audition 4

An advanced 8-bit sample editor continues where AudioMaster III left off. 100% Assembler. Realtime zoom. Incredibly fast scroll. Freehand edit. Sequenced loops, realtime effects include echoes, hi-pass filter, low-pass filter, band-pass filter, stop-band filter, mix, flange, fade, VU meter, and oscilloscope. Editing functions include cut, copy, paste, delete, keep, invert, filter, echo, mix, fade, tune, and many more. \$99.95 *SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008; (408) 374-4962*

### C-ZAR Rev. 2.4

Editor librarian for Casio CZ-101, CZ-1000, and CZ-1 synthesizers. Includes 200 pro sounds; easy start up; automatic loading, saving, and cataloging of disk sounds. Cut and paste, duplicate, rename and delete sounds, banks, and disk files. Overlays large, color-coded, and dragable sound envelopes on a logarithmic time display. Continuous display and sound updating, flexible undo feature. Mouse operation features intuitive panel displays. A 200-note sequencer; 80-page indexed manual. Much more. NTSC. Requires 512K, one floppy. AmigaDOS 2.0 compatible. \$79.00 *Diemer Development, 12814 Landale St., Studio City, CA 91604; (818) 762-0804*

### CZ Rider

Graphic editor librarian for the Casio CZ series of instruments. \$59.00 *Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Caged Artist D110 Editor

Multitasking graphic editor librarian for the Roland D-110. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00 *Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### DWEL

DWEL is an Editor and Librarian for the Korg DW-8000 Synthesizer that uses the advanced computing environment of the Amiga, and uses a MIDI interface to connect the two. DWEL has two different screens, one the librarian, the other is a patch editor. DWEL's librarian is an advanced system for storing, retrieving, arranging, and sending patch (instrument) sounds through MIDI. The Editing features of DWEL are simple and logical, but very powerful. It is no longer necessary to remember parameter numbers and settings to alter or create sounds. DWEL's editor graphically illustrates all characteristics of the patch's sound. \$79.00 *Barry Weber, P.O. Box 360, Albany, MN 56307; (612) 845-4755*

### DX Heaven

Multitasking graphic editor librarian for the Yamaha DX-7, TX7. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00 *Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### ESQ-1 Caged Artist

Multitasking graphic editor librarian for the Ensoniq ESQ-1. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00 *Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

# Music General

## ◆ SONGS ◆

### Aegis SoundTrax I and II

Play along with or study this library of Sonix compositions. Includes tips on how to create your own Sonix scores! Use special pre-programmed instruments to enhance your own compositions. Volume I includes Top 40 and Blues, while Volume II includes Fifties-style compositions. \$19.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see display ad page 171.**

## ◆ SOUNDS AND INSTRUMENTS ◆

### AS260 Amiga Clips, Volume 1: Sound Effects

Amiga Clips is a software tool created for use with AmigaVision. The two-disk set includes over 50 different digitized sound files which users can add to their multimedia AmigaVision presentations. The sounds can also be used to give audio feedback to key presses or mouse clicks in interactive AmigaVision applications. Amiga Clips is also compatible with any Amiga software program which supports 8SVX format sounds. Categories of sound effects on the disks include animals, auto, bells and whistles, clocks, drink, human, phone, techno, voice, and weather. \$29.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Background Rhythm Patterns 2.0

Background Rhythm Patterns is a collection of over 157 popular sequenced background rhythm patterns for virtually all styles of music. These patterns were developed exclusively for MIDI sequencer owners who need a variety of professionally arranged background rhythm accompaniments to use for creating their original songs. Each pattern includes bass, piano, drums, and percussion. All styles of music are included, as is an extensive user's manual. A multitimbral synthesizer or sound module and a sequencer are necessary. \$45.95  
*New Sound Music, P.O. Box 37363, Oak Park, MI 48237; (313) 355-3643*

### Digital Orchestra

Digitally sampled instruments: drums, percussion, chords, synthesized sounds, choruses and sound effects compatible with DMCS, MED, other tracker programs and popular sequencer programs. Instruments and percussion sampled at 17897 samples/sec., sound effects at 8363 samples/sec. All sounds are IFF 8SUX format. \$5.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

### FAT SOUNDS 1,2

Here are three disks filled with 8SVX new and original Amiga digitized sampled sounds. They have been tested with a dozen Amiga music and hypermedia programs, and are the first of planned library of new samples. The sounds can be used either as-is to help Amiga musicians create their music, or each sample can be edited further in an Amiga sound editor to produce even more variable results. These are not repeats of previous Amiga sample releases. \$59.95  
*EyeFulTower Comm. / EarFulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

### Jazz Through MIDI 2.0

Jazz Through MIDI is a new jazz improvisation course designed to teach jazz using a MIDI set up. It features 60 jazz patterns and solos for beginning, intermediate, and advanced levels. Many different styles of jazz are featured. A rhythm section accompaniment consisting of bass, piano, and drums is provided for each solo. Simply select a sequence with a riff that you want to learn, and then begin to practice the solo line along with the provided solo and accompaniment, using a tempo that is comfortable for you. Requires a multitimbral syn-

Requires MIDI interface. \$59.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### X-OR

The Universal System Exclusive Orchestrator for Commodore Amiga Computers. Full-featured Generic Editor Librarian. X-OR can be configured to match a user's complete setup and automate all MIDI data communication. By taking a 'snap shot' of a user setup, X-OR treats all MIDI devices as one instrument, offering superior value and unparalleled control over multi-instrument setups. Other features include support for over 90 MIDI instruments, graphic editing, database sound search, automatic MIDI patch bay switching, patch randomization, blending features, and much more. \$325.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### disSX

Allows complete control of the Peavey DPM-SX 16-bit sampler. Many DPM-SX functions can only be accessed via MIDI. disSX has facilities for them all, including sample rate and size, pretrigger, arm, and other controls. Samples may be transferred from the DPM-SX to the Amiga and saved to disk, or sent to other MIDI samplers. Samples can also be previewed using the Amiga audio capabilities. NTSC/PAL. Requires Amiga with MIDI interface, AmigaDOS 1.3 or higher. \$75.00  
*dissidents, 10325 Woods Road, Utica, NY 13502-9574; (315) 797-0343*

## ◆ PERCUSSION ◆

### Drum Studio

Drum Studio turns your Amiga into a powerful dedicated drum machine! Each sound has 16 different volume and pitch controls providing over 5000 different drum sounds in memory. Features include up to 100 patterns in memory; real time indicator to allow easy volume and pitch adjustment; adjustable BPM (beats per minute) from 30 to 240; keyboard template for quick reference; plus many more features. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## ◆ PROGRAMMING ◆

### Aegis Visionary

Don't just wander around in graphic or text adventures, build them! Visionary makes it simple. Over 10,000 rooms, objects, and subroutines. More than four billion characters of text can go into your adventure! Supports IFF images and ANIM files. Includes graphical VIE editor for point-and-click ease of use. Workbench 1.3 and 2.0 compatible. \$99.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
**Please see display ad page 171.**

### Amidi Serial Vector Library/ MIDI Sysex Lib

Two runtime libraries. The first is an execute call which legally replaces the AmigaDOS serial device to send and receive large MIDI system exclusive data transfers without slowing down intuition. The second is a library of MIDI system exclusive protocol handlers for several different manufacturers of MIDI equipment.  
*Amidi Systems Inc., #4 6579 Throupp Rd., Sooke, BC V0S1N0, Canada; (604) 642-5489*

### Bach Songbook

Data disks for sequencer. Songbook contains two-part inventions, three-part sinfonia, and four-part fugues. \$29.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### ESQapade

Multitasking graphic editor librarian for ESQ-1 and SQ-80. From Ensonic. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Kawai K-5

Multitasking graphic editor librarian for Kawai K-5. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Kawai-1 Caged Artist

Multitasking graphic editor librarian for the Kawai K-1 series. Modifies sounds that the instruments make, and saves them for you. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Oberheim Matrix 6/1000 Caged Artist

Multitasking graphic editor librarian for the Oberheim Matrix 6/1000. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### PCM-70 Caged Artist

Multitasking graphic editor librarian for the Lexicon PCM-70. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### PatchMeister v1.0c

Generic patch-librarian, designed to work with or without Bars&Pipes Professional. Includes over 20 specific drives plus ability to easily adapt to any synthesizer. Many enhancements. Workbench 1.3/2.0 compatible; NTSC/PAL compatible. List of drivers: Alesis HR-16, QuadraVerb, SR-16; Art DR1, Casio CZ-1, CZ-101, CZ5000; E-Mu ProCussion, Proteus 1/XR, 2/XR; Ensoniq ESQ-1, Mirage, SQ-m, SQ-R, SQ-R Plus; Kat Drum Kat; Kawai K1, K4, Spectra; Korg M1, P3, T1-T3; Oberheim Matrix 1000; Peavey DPM 3; Roland D-110, D-5, Sound Canvas, U-110; SCI Drum Tracks; Tascam 644, 688; Yamaha DX 7, RX11, SPX-90, SY22, SY55, SY99, TF1, TG33, TG77, TX-7, TX-816, TX-81Z. All products available for foreign distribution. Upgrades available. \$99.00  
*Blue Ribbon SoundWorks Ltd., The Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

### Roland D-50 Caged Artist

Multitasking graphic editor librarian for the Roland D-50. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

### Roland D-70 Editor/Librarian

Allows Roland D-70 MIDI keyboard owners to edit all parameters including tones, patches, performances, rhythm setup, and more, using friendly Amiga environment. As you change parameter, D-70 responds instantly over MIDI so you hear changes as you make them. All D-70 parameters can be transferred to Amiga, saved to floppy, and sent back. Includes features for manipulating data not usually available on D-70. Tutorial gives tips on creating new sounds. Runs on any Amiga with standard MIDI interface. \$50.00  
*dissidents, 10325 Woods Road, Utica, NY 13502-9574; (315) 797-0343*

### Roland MT-32 Caged Artist

Multitasking graphic editor librarian for the Roland MT-32. Point-and-click editing of all parameters.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Music General

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

thesizer or sound module. \$49.95  
*New Sound Music, P.O. Box 37363, Oak Park, MI 48237; (313) 355-3643*

## Soundtracks for MIDI

A collection of 90 multitrack sequences that can be used for Multimedia Presentations, Film, TV, Video, and Radio. Soundtracks are fully orchestrated and offers music for any style or mood. Everything from string quartets to electronic and contemporary dramatic tracks are provided. All of the compositions are original works, and the user is granted full rights and permission to use any of the songs presented in any way he wishes. A manual is included along with chord charts for each sequence. Supplied as Type 1 standard MIDI files. Specify Amiga format. Requires a MIDI keyboard or module capable of playing back on at least 6 MIDI channels. \$49.95  
*New Sound Music, P.O. Box 37363, Oak Park, MI 48237; (313) 355-3643*

## VocoderFX™

Digital signal processing sound effects tool. Control panel shows all the 'plumbing' in a vocoder; follows graphic pipeline to help you invent new sound effects. Employs time-tested techniques of using amplitude characteristics of one sound at different frequency bands as filter for another sound, producing third sound as combo of first two. Load in sound samples and adjust parameters to produce processed sound effects. Can be programmed for settings not possible on high-end studio vocoders. Window shows plots of each filter band; playback switch lets you continuously hear results during processing. Vocodered sound may be processed with freq band resolution selected in music semitones and cents. Import/export IFF sound files. Requires 1MB. AmigaDOS 1.3/2.0 compatible. Hard drive installable. \$49.95  
*Pacific Digital FX, 6 Stetson Ave, Kentfield, CA 94904; (800) 800-2448*

## ♦ TUTORIAL ♦

### Aural Intervals

Recognizing the distance between two pitches is the first technique taught in ear training. Correctly hearing and identifying intervals takes practice and a trained ear. It is also a skill that is awkward to practice by yourself. Now with the help of Aural Intervals and your Amiga, ear training is as simple as a video game. Aural Intervals randomly selects an interval and the lowest pitch to begin the interval on. The Amiga plays the sound for you. If you don't get it on the first try, press the play again button and the interval will be repeated. If you're not sure what it is, ask Aural Intervals to hint at the darkness or brightness of the intervals quality. If still unsure, inquire whether the interval is greater or less than a Perfect 5th. As a last resort, select the Melody Hint button and Aural Intervals will play a short melody that is identified with the interval. Aural Intervals is a positive and reassuring method to master the art of interval ear training. \$19.00

*Barry Weber, P.O. Box 360, Albany, MN 56307; (612) 845-4755*

### Guitar Chords

Guitar Chords is a program that tutors a beginning guitar student in learning and correctly playing chords for the guitar by illustrating the correct fingering on the Amiga's screen. Finger numbers and color schemed dots clearly show fingerings. Guitar Chords is designed for the student to have the guitar in hand while running the program. The Amiga sounds the notes of the chord so that the student hears instantly if he has fingered the chord correctly. Also, tuning is a breeze as Guitar Chords plays the correct pitch

for each string. All Major, Minor, Major7, and Minor7 chords included. \$39.00  
*Barry Weber, P.O. Box 360, Albany, MN 56307; (612) 845-4755*

## Miracle Piano Teaching System

The Miracle utilizes a smart and interactive network with Artificial Intelligence software to teach children and adults how to play the piano. Program begins by using an assortment of entertaining video games, progressive lessons, and various musical pieces to teach fundamentals of piano technique. Based on the player's individual needs and pace, the Miracle will customize piano lessons. System will analyze player's performance and modify the next lesson to concentrate on player's weaknesses. Includes the appropriate software cartridge or floppy disk with the various lessons and games, a corresponding Miracle Cable to connect the keyboard and the video monitor unit to allow interface, and a state-of-the-art electronic piano keyboard. \$479.95  
*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Performance

Database system for performing musicians that tracks MIDI information (synth presets, patch banks, sequences, etc.) for songs in repertoire to automate MIDI setup. Includes a MIDI-file sequence player. Contains set-building tools to organize material for live performances. Database is entirely user configurable, is mouse driven, supports standard MIDI files, and runs in both interlace and non-interlace modes. The song selection features a large font easily readable from a distance of up to 30 feet from the screen. \$165.00

*Pregnant Badger Music, 10010 Biscanewoods Way, Sacramento, CA 95827; (916) 361-8217*

## Real-Time Sound Processor

The Real-Time Sound Processor features Echo, Reverberation, AM and FM Modulation, Vibrato, Overdrive, Stereo Function, 512K sufficient, and MIDI channel selection for Amiga 500/1000/2000. Your creativity combines with the Amiga's amazing musical capability to produce unlimited original sound effects. Choose from PRESET parameters to recreate well-known sound effects, or choose from the fully flexible parameters to create your own new sound effects. All sound processing occurs instantaneously—the samples do not have to be saved previously. You need no musical training to use this software.

*Adept Development, P.O. Box 20, 1000 Lausanne 5, Switzerland; (011) 4121-312-1202*

## ♦ UTILITIES ♦

### Aegis AudioMaster IV

Sample and play sounds at a true 56,000 samples per second in stereo. AudioMaster will drive every parallel-port digitizer now available for the Amiga—often with higher sampling rates than the digitizer's own software. But its true strength is the ability it gives you to edit, sequence, and store in compressed format the sampled sound files you create by digitizing real-world sounds. New features include two to four times oversampling, including CD Player and PlaySound programs; Pitch vs. Time Stretch and Compress; digital filtering; Real-time Pitch Bend, Zoom, Telephoto, and Scroll; improved File Requester, Audio Disk Jockey for fingertip control of up to 180 sound files; and much more. \$99.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see display ad page 171.**

## SMUS2T

This CLI-based utility converts SMUS music score files to Dr.T's KCS/MRS format, suitable for loading into Dr.T's KCS or MCS sequences. \$9.95  
*S & B Software, 6503 SW 46th Pl., Portland, OR 97221*

## Samplib

Samplib is a sophisticated MIDI musician's utility for the transferral of professional quality audio samples between various MIDI samplers and various computer file formats. Supports the new high speed SCSI audio data transfer protocol known as SMDI. Samplib is object engineered for modular expansion. Allows Amiga's Exec to fully support the multitasking user environment during large, high speed MIDI sample dumps without interruption. Requires Amiga with MIDI interface and SCSI port. \$120.00  
*Amidi Systems Inc., #4 6579 Throupp Rd., Sooke, BC V0S1N0, Canada; (604) 642-5489*

## ♦ MISCELLANEOUS ♦

### DNA Music

Plays music based on DNA sequences. Features menu choice of DNA, speed, tone, and channel. Two octaves in the key of C. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488; (203) 264-2583*

### Fractal Music

Music based on fractal mathematics. Two octaves in the key of C, graphics of filled polygons, and 640 x 240 resolution. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488; (203) 264-2583*

### Pattern Splatter

Random-sequence generator that deals with arpeggiation patterns, randomizes various MIDI parameters within user-controlled ranges. \$49.95  
*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015; (408) 741-0117*

### Protein Music

Plays music based on protein amino acid sequences. Menu choice of protein, speed, tone, and channel. With two octaves. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488; (203) 264-2583*

### RXMix

A 16-channel programmable mixer for Yamaha RXII drum machines. \$79.95  
*Pregnant Badger Music, 10010 Biscanewoods Way, Sacramento, CA 95827; (916) 361-8217*

### Waveform Easel

Use the mouse to draw any curve to define waveform tables that the Amiga uses to make sounds. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488; (203) 264-2583*

# Education

## ♦ EDUCATION GENERAL ♦

### A Long Hard Day on the Ranch

Desperate bandits, runaway cattle, and broken toes hold no terrors for our imaginative hero. This tall tale shows how a young boy imagines his days at his uncle's ranch—while accompanying illustrations show the more mundane reality. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$44.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

### AV Notes

Each is a summary of a topic from science, literature, or history. Examples: Krebs Cycle, Hamlet, Civil War. \$25 per topic. \$25.00

*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Amy's Fun-2-3 Adventure

For ages 2-6. In Amy's Fun-2-3 Adventure, Amy introduces children to numbers and counting by taking them through a variety of entertaining activities. Visit Amy's Doghouse, Marty the Match Machine, King Cookie and his castle, or play music, all by simple mouse input. Beautiful overscan graphics, smooth animation, and digitized speech and sound effects make the program a joy for children to use. Requires 1MB, mouse. AmigaDOS 2.0 compatible. \$49.95

*Devasoft, P.O. Box 41250, San Jose, CA 95160; (408) 927-9645*

### Amy's Play-B-C Time

For ages 2-6. Lots of fun and playtime await as Amy takes your child on a delightful alphabet-learning journey. As always in Amy's programs, great graphics and animation enhance learning and play action, while simple mouse input makes it easy to control. Learning your ABCs is easy and fun when you have a cute puppy like Amy to help you out! Requires 1MB, mouse. AmigaDOS 2.0 compatible. Available Fall 1992. \$49.95

*Devasoft, P.O. Box 41250, San Jose, CA 95160; (408) 927-9645*

### Cinderella: International Version

This international version of Cinderella has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation, in addition to the regular built-in educational features. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

### Cinderella—The Original Fairy Tale

A poor but beautiful young girl wins the heart of a prince—with a little help from her fairy Godmother. The story of how kind-hearted Cinderella gets the better of her selfish step-sisters is a classic that generations of adults and children have enjoyed. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

### Computerized Learning Application Software System, Volume 1 (C.L.A.S.S. 1)

A learning system that entices the minds of all ages. An enriching system that gives everyone the opportunity to learn and sharpen their skills. Volume 1 offers the user the ability to enhance spelling, math, reading, memory, and strategy skills. Will lure the preschooler, kindergartner, etc., to develop an interest in the world of learning by use of computers. Requires AREXX, 512K RAM (two floppy drives or hard drive recommended). AmigaDOS 1.3 or 2.0 compatible. Learn and have fun with C.L.A.S.S. 1. \$39.00

*Software Plus, 5254 Merrick Road, Massapequa, NY 11758; (516) 795-1400*

### Crossword Construction Set

An excellent vocabulary builder. Create and edit custom word lists, or use those that come with the game. Generate crossword puzzles and word search puzzles. Games can be played on the computer, or printed to the printer for use as an educational tool, or just plain fun. Also print answer keys for use in classroom settings. \$39.95

*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

### Designasaurus

Three programs in one! Walk-A-Dinosaur, where the user walks either a Brontosaurus, Stegosaurus, or Tyrannasaurus Rex through three ages. Build-A-Dinosaur by combining a head, neck, tail, and body from several different real dinosaurs, and Print-A-Dinosaur, where twelve dinosaurs can be printed out in their natural habitat along with a description. Using DeluxePaint by Electronic Arts, color your favorite Dinosaur and print the creature out. \$49.95

*Compton's New Media, 345 Fourth Street, San Francisco, CA 94107; (800) 572-2272*

### Discovery 2.0

Game disk with math or spelling. Save the Starship Discovery by guiding crew members through the starship and answering questions. Avoid the aliens, collect fuel crystals, and save the ship. Easy playability and compelling graphics. Game disk in math or spelling; expansion disks in Trivia 1 and 2, Science, History, Geography, Spelling 1 and 2, Math 1 and 2, Math Concepts, Language, and Social Studies. Now includes hard drive installation, five spaceships to explore, and questions that use pictures or sound. \$39.95

*Microillusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

### Distant Suns 4.2

Distant Suns 4.2 brings desktop astronomy and space travel to any 1MB Amiga with at least two floppy disk drives. Version 4.2 adds many new features to an already great version: AREXX support, multiple resolution support (interlaced, overscan), animation capability, full screen (not overscan) astronomical photo display keyed to selectable objects, and the ability for the user to put his or her eyepoint up to 400 astronomical units from the sun on any plane. There are more basic stars and a disk of medium resolution images included. Over 2,000 deep sky objects are in the basic data sets. The user can enter his or her own data virtually without limit. Comets and asteroids are included and can be added. Improved fonts make the program more readable and a more subtle color palette is used to give 4.2 a more professional look. There are a total of three disks in the package—program, data, and image. The single program disk now includes both 1.3, 2.0, FFP and FPU versions. NTSC or PAL version available. Upgrade available direct from VRLI. \$99.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

### Distant Suns-Space Visions

Space Visions is a series of IFF images selected by Mike Smithwick, author of Distant Suns. Space Visions may be viewed with Distant Suns 4.0 or any program which allows viewing of IFF files—any paint program, for instance. Space Visions cannot be viewed with the Distant Suns 3.0. Available direct from VRLI only. These are full screen (not overscan) hi-res images. It contains 246 images and is 25 disks plus an installation disk. Includes Mars from orbit and surface (Viking mission photos); Earth from orbit (various Gemini, Apollo, and Space Shuttle missions); Mercury flyby (Mariner photos); Skylab (America's 1st space station); Space Shuttle in operation; Voyager (Photos include Jupiter, Saturn, Uranus and Neptune); Deep Sky objects; Gemini two-man mission; lunar photos by Lunar Orbiter and Apollo astronauts; historical shots from the Apollo mission. \$90.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515*

### Heather Hits Her First Home Run

The bases are loaded, her friend Jeffrey is on third, and everyone is calling for a home run as she steps up to bat. All in all, it's a pretty frightening moment for Heather—but she comes through. This story tells of how children feel in life's crucial moments. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

### Inquisitor

Drives academic competition software and hardware to allow teammates from two teams to 'buzz' in. NTSC. Requires C-64 or Amiga in C-64 emulation. \$399.00

*Mr. Horan's Computer Lab, 12975 US 60, Middletown St. Mall, Louisville, KY 40243; (502) 244-9595*

### McGee

A no-words software program designed for children, ages two through five years old: Using the mouse, youngsters guide a little boy named McGee throughout his house, playing with toys and getting into mischief along the way. By clicking the mouse on graphic icons on the the screen, children initiate animated sequences and digitized sound, or send McGee into another room for more adventure. \$39.95

*Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687; (800) 421-4157*

### McGee at the Fun Fair

Like our other no-words software for pre-schoolers, Fun Fair is a program where youngsters decide what they want to do next. They can watch the clown make balloon shapes, the juggler juggle, get a popsicle from the ice cream vendor, play on playground equipment, and enjoy many other fun activities—all with wonderful, animated graphics and digitized sound. These programs encourage children to explore and reinforce their sense of discovery. \$39.95

*Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687; (800) 421-4157*

### McGee visits Katie's Farm

In Katie's Farm, children accompany McGee as he visits his cousin on her farm. McGee and Katie feed the chickens, watch Aunt Thelma milk the cow, go fishing at the pond and enjoy many other fun activities. Our no-words software programs for pre-schoolers make getting acquainted with the

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software (FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Education

## READY ROBOT CLUB

### INTERNATIONAL MONTHLY EDUCATIONAL DISK

For Kids 5 to 12. Any Amiga 1-MB, KS 1.2 to 3.0, NTSC & PAL. English language only. All original. No ShareWare. Quality Graphics, Speech, Point & Click Menu, Thinking Games, Stories, History, To Do, Space, Music, Coloring Book, Jokes, Parent-Teacher Corner. Hard disk O.K. Since July 1990. Hours of educational fun at your door every month.

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STORIES  
COLORING BOOK  
SPACE UPDATE  
SCIENCE

PUZZLES  
TRIPS IN TIME  
THINGS TO DO  
DUMB JOKES



Circle 112 on Reader Service card.

computer an empowering and confidence-building experience. They are also very effective with ESI and autistic children. Requires 1MB of memory. \$39.95

*Laurence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687; (800) 421-4157*

#### Moving Gives Me A Stomach Ache

Moving is not easy for anyone, but for a little boy it is especially hard. This is a warm, sensitive story that explores children's feelings about moving and shows them that it's not so bad after all. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### Moving Gives Me A Stomach Ache: International Version

This version of Moving Gives Me A Stomach Ache has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation, in addition to the regular built-in educational features. AmigaDOS 2.0, NTSC and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### Mud Puddle

Have you ever wondered how kids get so dirty? Meet a walking mud puddle and see how it continually ambushes one little girl-until she gets the better of it. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### Mud Puddle: International Version

This version of Mud Puddle has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation, in addition to the regular built-in educational features. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### Paint and Create

For ages five and up. Helps children exercise their creative talents in six programs: Activity Menu, Art Alive, Make a Monster, Jigsaw, Music Maestro, and Card Shop. All activities designed to spark a child's imagination and help him use it to achieve tangible results. \$25.99.

*Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333*

#### Periculum

Jeopardy-like game. Allows two players to go head-to-head, one on the mouse, and the other on keyboard or joystick. As questions are flashed on the screen, the first player to press the button is given an opportunity to answer. A manual override is provided to allow the acceptance of answers that are correct but are judged incorrect by the program. It is easy to create new game files about any subject. Sign-in with the mouse just like on TV. AmigaDOS 2.0 compatible. \$19.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

#### Personality

This administers a series of 70 personality questions based loosely on the Myers-Briggs assessment tool. Done with clever graphics, the user responses are analyzed and the user's personality type (i.e., ISTJ) is displayed and described briefly. Great for starting a discussion of different personality types and learning styles at the beginning of the year or course. AmigaDOS 2.0 compatible. \$19.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

#### Poco Man

A strategy game with arcade-type sounds and actions. Solve up to 50 different levels. Joystick or keyboard play. Hours of enjoyment while building analytical and problem-solving skills. A new concept in Amiga games. \$39.95

*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

#### Rover

Rover is a software product that allows an Amiga computer to organize a school's satellite or cable-fed audio visual system. It schedules VCR's and automates the school's satellite and cable equipment with built-in instruction manuals. The system can be set up to communicate with almost any type of IR controlled equipment. \$99.00

*Heifner Communications, Inc., 4451 I-70 Dr. N.W., Columbia, MO 65202; (800) 445-6164*

#### Scary Poems for Rotten Kids

Whether you are frightened by goblins or Gerbelgeks, fog phantoms, or even the dreaded pocket monster, you'll find lots of chuckles and chills in Scary Poems for Rotten Kids. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$54.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### School Announcement System

Allows schools to send school announcements across network of monitors. Can activate during class breaks and lunch. Allows for extra instructional time and frees you from dependence on PA system. Uses 'info channel' format of 'host' and 'nodes'. Host = A2500 and up. Nodes = A500+. Requires Scala info channel. Price flexible by installation.

*Mr. Horan's Computer Lab, 12975 US 60, Middletown St. Mall, Louisville, KY 40243; (502) 244-9595*

#### The Night Before Christmas

A father witnesses the arrival of St. Nicholas, who with his dimples and 'a little round belly' fills children's stockings before returning to the night. As with any Discis book, you can ask it to read your favorite passages, explain or pronounce unfamiliar words, and even identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$39.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### The Paper Bag Princess

Once upon a time a beautiful princess and a handsome prince lived in a castle. Suddenly the castle is destroyed by a fierce dragon, the prince is carried away, and the princess is left with only a paper bag to wear. This story has all the elements of a traditional fairy tale but with a contemporary twist-the princess is the heroine. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### The Paper Bag Princess: International Version

This international version of The Paper Bag Princess has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### The Tale of Benjamin Bunny

Benjamin Bunny and his cousin Peter Rabbit visit Mr. McGregor's garden to retrieve Peter's clothes-left there on a previous visit. Their expedition is going well-until they are trapped by a nasty cat. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### The Tale of Peter Rabbit

This is the classic tale of naughty Peter Rabbit, written and illustrated by Beatrix Potter. Follow Peter as mean Mr. McGregor chases him around the garden, into a gooseberry net, and even through a window. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$54.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

#### The Tale of Peter Rabbit: International Version

This international version of The Tale of Peter Rabbit has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation, in addition to the regular built-in educational features. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

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Miscellaneous Hardware

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Accessories & Services

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Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

## Thomas' Snowsuit

Children and adults—especially those who have tried to get feisty kids into clothes they don't want to wear—will appreciate the story of Thomas' Snowsuit. Watch how everyone tries to get Thomas into his detested new snowsuit, and see how they all end up wearing it instead! As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

## The Connoisseur Fine Art Collection

A collection of 500 works of fine art by over 100 artists, with informative text on each painting, sculpture, period, and artist. Select works from nine periods: Classical Greece and Rome, Early Renaissance, The Quattrocento, Northern Renaissance, High Renaissance, Baroque, 18th Century, The Romantics, and The Impressionists; or from a list of artists. Ten classical music pieces can be selected to enhance the viewing experience. 54 disks. Inquire about shipping. \$210.00  
*Lascalles Productions, 401 Lascalles St, PO Box 959, Hastings, New Zealand; (011) 64-6-878-9652*

## Video Coach

Allows coach to 'Madden-ize' game films. Developed by a coach, this product saves valuable time; increases productivity by creating game highlight films in annotated manner. Requires A2000 and higher. Price shown does not include tape decks. \$2000.00  
*Mr. Horan's Computer Lab, 12975 US 60,, Middletown St. Mall, Louisville, KY 40243; (502) 244-9595*

## Video Network

Allows video to be sent across all monitors in lab. Show 'snippets' then flip switch to word processor and write. Ideal for use with video microscope. For any Amiga or Apple II lab. \$25 per station (four minimum), add \$10 per station for Apple.  
*Mr. Horan's Computer Lab, 12975 US 60,, Middletown St. Mall, Louisville, KY 40243; (502) 244-9595*

## ◆ BIOLOGY ◆

### Biology By Martha: Human Biology CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Human Biology HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
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### Biology By Martha: Invertebrate Animals CE

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### Biology By Martha: Invertebrate Animals HSE

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*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Microbiology CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition.

One disk. \$79.00

*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Microbiology HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Plants CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Plants HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Reproduction CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Reproduction HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Vertebrate Animals CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology By Martha: Vertebrate Animals HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high school edition. One disk. \$39.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology by Martha College Edition

Complete biology series. \$199.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Biology by Martha High School Edition

Complete biology series. \$99.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Birds 'N' Bees

Facts of life instruction for children ages 7 to 12. Parents can set the computer for the age and sex of the child, and can control the amount of information the child receives. There is a question-and-answer section, as well as a dictionary portion. \$14.95  
*Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (800) 468-7226*

### Journey Through A Cell

Interactive journey through plant and animal cells including Photosynthesis. Features scanned images, diagrams, and quizzes. PAL (NTSC soon) AmigaVision required or runtime version. \$59.95  
*HC Software Pty Ltd, PO Box 782, Prospect East, S.A., Australia 5082; (011) 618-262-4461*

## ◆ BUSINESS ◆

### Starting a New Business

Students discover the ins and outs of starting a new business venture as they make decisions about trade name, partnership agreement, incorporation, budgeting, marketing, inventory, advertising, hiring employees, raising capital, recordkeeping, taxes,

and insurance. Two disks. \$59.95

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

### The Ad Game

Learning objective is to read a vertical bar graph and interpret the data for maximum results. The student is given a product to sell and profile the age groups that buy it. The goal is to use the most effective advertising medium—radio, TV, newspaper, and magazine—to reach the greatest audience. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## ◆ ECONOMICS ◆

### Spell M-O-N-E-Y

The learning objective is to identify the definitions of basic economic terms. The student's goal is career advancement and security through education and promotion. Wages and saving may increase as a part of performance evaluation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## ◆ ELEMENTARY ◆

### A Christmas Carol

Complete bookdisk of Dickens' A Christmas Carol with at least 10 illustrations and talking slide show. Two disks. \$7.00  
*Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926; (916) 343-7658*

### AB-Zoo

Teaches young children, ages 3 to 6, letter recognition and develops their reading and typing abilities in an entertaining and stimulating fashion. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### ABC's

Another talking story for the Talking Storybook. Young children can learn the alphabet through enjoyable pictures and graphics. Speech, music, and digitized sounds make the story enjoyable as they learn. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

### ABCgames

Five levels of alphabet-playing fun. Exercises begin with introduction to individual letters, followed by the entire alphabet, finding letters on the screen, keyboard letter entry, and finally the spelling of simple words from modifiable lists. Tutorials on mouse and keyboard use included. Intended for pre-school to second grade users. No reading or writing skills required. ABCgames is designed specifically for the Amiga, and fully utilizes the music, speech, animation, and color capability of the computer. Requires 512K memory with mouse. Operates on Version 1.2 or 1.3. PAL/NTSC compatible. ABCgames is not copy-protected. \$30.00  
*Parth Galen, P.O. Box 482, Cold Spring, MN 56320; (612) 685-8871*

### Aesop's Fables

Twelve illustrated stories with reading and vocabulary questions, 800-word spelling list. Ages 6-9, one or two players. Four different learning games are included. You may also add your own weekly spelling lists for practice. Memory game options include matching pictures to pictures, pictures to words, words to words, or words to contractions. Uses speech and great graphics. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

### Clock Works

Version 1.1 PAL and NTSC available now. Teaches telling the time and introduces number ideas.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Education

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

Clocks of four sorts and shapes with digitized sound: Cuckoo, Westminster chimes, and human speech. Digital clock has 24-hour option. Works in clock-setting and question modes. PAL/NTSC, AmigaDOS 1.2-2.0 compatible. See N. American address in Vendor Information. \$24.95  
**Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473; (011) 649-405-7761**

## Coloring Disk #1-Alphabet

To be used with My Paint, Coloring Disk #1 presents all the letters of the alphabet with a corresponding drawing to color in. Each letter also has accompanying digitized speech, which enunciates the name of the letter and the object or animal next to it. All new drawings include: cake, duck, fruit, elephant, goat, kite, owl, inchworm, vegetables, xylophone, watermelon, jam, bear, and more! \$29.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226**

## Coloring Disk #2-Majelix

To be used with My Paint, Coloring Disk #2-Majelix is a beginning reading method based on phonics and sight reading. The Majelix coloring disk provides an introduction to all twenty-nine of the Majelix characters. The names of these enjoyable characters contain all the clues to the series one phonics code. These coded names provide the child with an easily accessible unconscious reference to the phonics code. \$29.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226**

## Crayons And Rainbows

Teaches pre-schoolers about colors in a fun game format with animated characters and colorful graphics. Requires 1 MB RAM and two disk drives. \$19.95  
**Trumor Company, Inc., The , 2745 201st Ave. NW, Oak Grove, MN 55011; (612) 753-5050**

## Early Math MA-902

This disk contains four programs. The learner counts steam engines or box cars and names the numeral. The student identifies the missing number in a three-number counting sequence. A dump truck hauls answers away. The learner adds two groups of objects either by counting or by identifying the sum of their numerals. By means of objects pictured on the screen, the student is introduced to the operation of subtraction. NTSC only. \$49.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## Electric Crayon Deluxe: All Dogs Go To Heaven

Simply point and click on the color palette of 24 colors out of 4,906 available, then click the crayon in the area you want to fill! The Electric Crayon Deluxe computer coloring books offer Custom Banner, Calendar, and Poster-Making capabilities, and digitized sound. Design a banner with a colored picture at each end and your personal message in the middle. Write poster messages to be displayed below your work of art, or print the picture with the computer-supplied description that will describe facts about the animal you've just colored! Make calendars and mark special occasions with 64 colored stickers enclosed in the package. See CDTV section also. \$14.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353**

## Electric Crayon Deluxe: At the Zoo

The next best thing to being there! As each picture is accessed, a digitized sound file is played of the lion, tiger, bear, etc. You can color the picture and play the sound over and over. There is also a Description file to accompany each picture containing information and little known facts about the featured animal. Each picture can be printed in color and black and white with one of six print options, including: Custom Banner, Personalized Message, Print with Description, and Print with Calendar. A sheet of 64 color stickers is included to

mark special days on the calendars. \$14.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353**

## Electric Crayon Deluxe: Teenage Mutant Ninja Turtles

The Turtles' World Tour contains 30 pictures of the Teenage Mutant Ninja Turtles visiting famous world landmarks such as the Statue of Liberty, Mount Rushmore, and Stonehenge. Children can color and enjoy each picture time and time again. Print banners as well as posters and calendars of their favorite turtle scenes. \$14.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353**

## Kim

A visual memory challenge based on the party favorite 'Kim's Game.' Objects are displayed for a set time and disappear, then reappear with others. Players select correct ones, by pictures or words. Groups include fruit/vegetables, transport, animals, flags, numbers, letters, food, common articles. Plus chance to create own sets with any graphics program! Scores are recorded; play alone or with a friend. Used to help reading too. Comes with a book of the illustrations which may be photocopied for use with program. Now also available in a MAORI version (PAL only) called Kimi, and in Swedish version. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. See N. American address in Vendor Information. \$24.95  
**Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473; (011) 649-405-7761**

## Kinderama

Five talking games with animated graphics. Beginning addition, subtraction, upper and lower case letters, and more. Awarded Best Educational Program of 1988 by Commodore. Uses speech to enforce learning. Also includes a Robot Construction Set for creative fun. \$39.95  
**Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste 1, Las Vegas, NV 89119; (702) 597-0818**

## LD-901 Dinosaurs

If you're ready to use interactive Amiga/Laser Disc programs, here is a high quality product that's all set to go. The instructional package contains both the Amiga software and the laser disc. Any Amiga with at least 512K will do the job. We recommend that your laser disc player be Pioneer's Model 2200. NTSC and PAL. \$89.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## LOOKIHEAR!

LOOKIHEAR! uses bright animated graphics, large clear letters, and natural digitized speech to teach and test 'sight words': the 360 core words children up to and including the eight-year-old level should recognize and pronounce instantly. Also for anyone with reading problems or learning English. Comprehensive recording and printing of progress. Contains three data disks with 360 words. Inquiries for special languages are welcome. NTSC/PAL. Requires 1MB. AmigaDOS 1.2-2.0 compatible. See N. American address in Vendor Information. \$45.00  
**Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473; (011) 649-405-7761**

## Little Red Hen (story diskette)

Enjoy the story of the Little Red Hen as she works, plants, harvests the wheat, makes flour, and bakes bread. Featuring digitized and synthesized sounds, music, and animation. For use with Talking Storybook reader diskette. \$29.95  
**Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947**

## Match-it

Teaches children basic colors and shapes through games and tutorials. \$39.99  
**Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620**

## MatchIt!, SnapIt! & RememberIt!

Three programs on one disc. In SnapIt!, cards are dealt from both hands. Hit the Snap! button if they match before time runs out. Develops one-to-one matching. In MatchIt!, a new card pops up and you have to find a match in the tray before time runs out and the Amiga steals the card. Develops one-to-many matching/scanning skills. In RememberIt!, select a square to reveal a card. Select another to find a match. If they don't match, both will disappear. Develops many-to-many matching and visual memory. The package features an on-disk interactive manual, the ability to add your own pictures, and subject matter is user definable—examples include maths, colors, and language, visual perception. \$30.00

**Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168**

## My Paint 2.0-The Paint Program Just For Kids

My Paint is an easy-to-use, educator-approved, and classroom-tested paint program which has been designed especially for children. Everything about it, from the color of the program disk to easy user interface with animated icons, was designed with youngsters in mind. The interface is entirely based upon intuitive icons, and no reading skills are required. Features include colorful, animated icons for all tools, a complete 'coloring book' of pictures to be colored, sampled sounds which accompany each picture, multiple brush sizes, special 'surprise' pictures, painting and mirror modes, special effects, color cycling, and more. As enhancements to the program itself, a series of optional, educational 'coloring book' disks which teach the alphabet, phonetics, reading skills, and other concepts to young minds are also available. Upgrades are available to registered users for \$14.95. See CDTV section also. \$49.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226**

## My Paint Coloring Disk #1

Alphabet Fun! Each of the letters of the alphabet is presented with an amusing, interesting drawing for kids to color in. All the letters of the alphabet have digitized speech accompanying them, saying the name of the letter and the corresponding object or animal. Great, educational fun for all young children. \$19.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226**

## My Paint Coloring Disk #2

Majelix is a beginning reading method based on phonics and sight reading. The Majelix coloring disk provides an introduction to all 29 of the enjoyable Majelix characters. The Majelix character names provide children with a powerful reference to the English phonics code which helps them with their reading skills. \$19.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226**

## Nimble Numbers

Takes a child from the skill of counting to learning basic number facts. 'I want to count' displays from 1-5, 1-10 or 1-15 large colorful fish. Child points to correct number. Graphic rewards and clear reinforcement with natural digitized speech. Simple addition, subtraction, multiplication, division problems are presented, with bold bright display of equations. Child uses mouse to select correct answer. Also available in MAORI version. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. See N. American address in Vendor Information. \$24.95  
**Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473; (011) 649-405-7761**

## Nursery Rhymes (story diskette)

Children learn to read with familiar rhymes such as Jack and Jill, Humpty Dumpty, Little Miss Muffett, and more. For use with Talking Storybook reader diskette. \$29.95  
**Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947**

## PhunnyPhonemes

Sixteen phoneme types and more than 100 letter combinations regularly used in English spelling are taught in a game environment. Exercises take place in the classroom of a computer school and on the job at a space station construction site. Spoken instructions provided within the game; no initial reading or writing skills required. Exercises bracket Grades 1 through 6 skill levels; an editing program is included to modify lessons. Fully utilizes Amiga music, speech, color, and animation. Two disks with 80-page manual. Requires 1MB one disk drive, and mouse or trackball. PAL/NTSC compatible; Workbench 1.2/1.3/2.0. AmigaDOS 2.0 compatible. Not copy protected. \$33.00  
*Parib Galen, P.O. Box 482, Cold Spring, MN 56320; (612) 685-8871*

## RE-910 Learning the Alphabet

Teaches upper and lower case letters in sequence. Uses mouse for easy responding. The computer speaks throughout each lesson. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RE-915 Beginning Reading

Beginning reading skills on four disks, grades K-3. All lessons are phonics-based. Teaches more than 1000 words. Uses mouse for easy responding. The computer speaks throughout each lesson. NTSC only. \$89.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Read & Rhyme

Outer-space theme. Talking language arts activities in phonics, reading, rhyming, and more. Ages 5-10, one or two players. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## Read-a-Rama

Talking program with six language arts activities. Includes authoring system for parents to create lessons. Ages 5-8 (two disks). Parents may add weekly spelling lists for practice. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## Reading Adventures I-III

Interactive reading game allows players to participate in completing the story. Adventure 1, \$39.95; Adventures 2 and 3, \$59.95. \$39.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Reading and Thinking Series

Challenging reading comprehension tutorial which teaches analytical skills so important to good comprehension. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Ready Robot Club Monthly Disk

For families with kids 5 to 12. Any Amiga. 1.2, 1.3, 2.0. NTSC and PAL. 1.4MB of educational fun every month. No P.D. or Shareware. All original programs, graphics, sound. Easy mouse-operated menus. Global speech toggle. Stories, Field trips, Science experiments, Music, Projects, Reviews, Parents' corner, Space update, Vocabulary and more. Games/ tests: Memory concentration, Picture puzzle, Connect numbers, Maze, Find the words, Spelling puzzle, jokes, and riddles. Access to software for specific age groups. USA: \$36/6mos., \$65/12mos. Canada: \$40/6mos., \$73/12mos. Others: \$44/6mos., \$81/12mos. Sample disk \$10.00. School or home. *Signs Etc. by D. Knox, P. O. Box 628, Carmichael, CA 95609; (800) 634-2952 orders*  
**Please see our display ad page 42.**

## Robot Readers: Aesop's Fables

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715; (714) 651-8024*

## Robot Readers: Chicken Little

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715; (714) 651-8024*

## Robot Readers: The Ugly Duckling

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715; (714) 651-8024*

## Robot Readers: Three Little Pigs

Reading game uses popular fairy tales to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715; (714) 651-8024*

## Robot Readers: Little Red Hen

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715; (714) 651-8024*

## Robot Readers: The Three Bears (Goldilocks)

The sixth program in the talking Robot Readers series for the Amiga computer. Beautifully illustrated classic stories for preschool through primary grade children. Robot Readers combine the latest research in the field of reading with the unique capabilities of the Amiga computer. Advanced mouse-driven features include reading aloud with each word changing color as it is spoken, an adjustable reading speed, pointing and clicking for the whole word and letter sound out, a Find-the-Word game, and audio-visual identification of the characters and objects in the illustrations. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715; (714) 651-8024*

## Sammy the Clown's Playground Volume One Version 1.1

Sammy the Clown's Playground was designed to provide a quality computing experience for parents and their children aged 2 to 5. The program presents the child with shape recognition, mouse instruction, sound recognition and much more in a non-competitive manner. Using bright colors, speech, digitized sound and mouse control, this program will spark the imagination of your child as only the Amiga can. Version 1.1 features improved speech. Dealer inquiries welcome. Educational site license and discounts available. 2.0 compatible. 1MB required. \$19.95  
*Gifted Artists, 3216 Summit Ave., Baltimore, MD 21234; (410) 347-8395 bef. 5*

## Snow Words

A little like Tetris, a little like Scrabble, but NEW. Concentrate madly as you try to make words from random letters on snowflakes before they melt. Control play speed, even stop action—with a penalty. Golden snowflakes can represent any letter. Sophisticated scoring, Honors Board, score printing, full animation. Fun for all ages, extends vocabulary, improves children's spelling and reading skills. NTSC/PAL, requires 1MB. AmigaDOS 1.2-3.0 compatible. See N. American address in Vendor Information. \$30.00  
*Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473; (011) 649-405-7761*

## Tales From The Arabian Nights

Three stories with graphics, questions, and glossary. Several games, mini-word processor. Ages 8-12, 1-2 players (2 disks). Talking program helps develop important comprehension and vocabulary skills. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## The Adventures of Sinbad

Three stories, over 600 questions. One or two

players. Join Sinbad to earn his fortune and see the world. Includes mini-word processor, and more. This talking program builds vocabulary and comprehension skills. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## The Legend of Sleepy Hollow

A complete bookdisk of The Legend of Sleepy Hollow. Includes over 10 illustrations and talking slide show. \$4.00  
*Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926; (916) 343-7658*

## The Sesame Street Crayon Series: Letters for You

The Sesame Street gang introduces children to the ABC's. Offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem accompanying each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options including: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## The Sesame Street Crayon Series: Numbers Count

The Sesame Street gang introduces children to numbers and offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem to accompany each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options which include: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## The Sesame Street Crayon Series: Opposites Attract

The Sesame Street gang introduces children to opposites. Offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem accompanying each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options including: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## The Talking Coloring Book

Talks to the child and teaches color recognition. Drawing option allows children to draw, color, and print their own pictures. In practice option, using a teacher approach, the computer patiently helps preschoolers learn colors and the color words. \$29.95  
*JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369; (612) 424-5464*

## The Three Bears (story diskette)

Enjoy a familiar story while learning to read or improve reading skills. Uses digitized sounds, entertaining graphics, and four-part harmony music. For use with Talking Storybook reader diskette. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Education

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| <b>Education</b>                     |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## The Wonders of the Animal Kingdom

Six activities teach about the animal kingdom and develop reading and vocabulary skills. One to four players, graphics, voice. Age 6-12. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## Treble Pack

Consists of triple pack of Hokianga products: Clock Works, Kim, and Nimble Numbers. AmigaDOS 1.2-2.0 compatible. \$60.00  
*Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473; (011) 649-405-7761*

## ◆ ENGLISH ◆

## Antonyms

Antonyms are the focus of this interactive teaching program. Each lesson gives the learner practice in supplying the antonyms of words presented by the computer. The student can request help from the computer as needed. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## CP-941 Capitalization

Capitalization teaches students how to capitalize words correctly within sentences. Nine lessons teach 24 capitalization rules. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Developing Writing Skills

Excellent tutorial for students in grades 6-9. Requires 256K, 512K recommended. \$60.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## English Composition Skills

Comprehensive tutorial will improve writing skills of high school students and above. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## GR-910 Basic Grammar

Basic Grammar teaches students to identify nouns, verbs, adjectives, prepositions, conjunctions, and interjections. The program teaches and tests for mastery learning. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## How to Spell

A tutorial on the principles of correct spelling. Each rule is explained, illustrated, and drilled. Each wrong answer brings additional remediation. Grades 4-7. \$29.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Image Spinning (Creative Writing)

This program provides practice in putting together effective images that can be used in almost any kind of creative writing, especially in poetry. Throughout this exercise, the computer acts as an idea starter, while the final results are entirely the student's own. NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Land of the Unicorn

Educational program for grades 3-8 covering synonyms and antonyms, as well as problem solving. Includes intricate maze game. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## Mr. Robot's Speak'n Spell

Picture-oriented word game for ages 6 and up. Players try to match words with pictures and clues. Includes music, crossword puzzles, animated talking robot, and 1020 color pictures (20MB

uncompressed). Teaches over 1000 word spellings, meanings, and pronunciations of increasing difficulty in 204 levels of play. \$49.95  
*Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821; (800) 272-4601*

## PU-940 Punctuation

Teaches students how to punctuate properly. Contains four lessons which teach 42 punctuation rules. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Practical Composition I-V

The rules of good writing are the focus of these tutorials, which are followed by practice materials aimed toward the development of effective writing skills. Each disk presents a series of related concepts, explains each concept, tests the student's understanding, and provides examples, using multiple-choice, fill-in-the-blank, and 'cloze' technique exercises. I-Using words correctly. II-Logical, clear sentences. III-Selecting the best approach. IV-Making sentences work. V-Using words correctly. Volumes I, III, IV, and V are \$34.95 each. Volume II (two disks) is \$74.95.  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Practical Vocabulary

High school-level drill for recognition and use of definitions, antonyms, synonyms, word roots, and prefixes. \$54.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## RE-841 Basic Reading Literacy (Set One)

This instructional series is designed both for young people and older adults who can understand and use spoken English, but who cannot read it. Set One is at an entry level. It assumes zero ability to read by the learner. \$99.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RE-921 Booksoft One Comprehension-Elementary Level for Jr./Sr./High School Students

Uses a combination book-with-software approach to instruction. Ten story lessons feature easy vocabulary with older level reading content. NTSC and PAL. \$39.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RE-940 Stories in Reasoning with the Great Detective Genlock

The student's task is to draw conclusions from given facts within a variety of story situations. Secret passwords. Genlock Holmes and reasoning grids are involved in each story exercise. This reading comprehension program challenges students to do more than just recall information. It responds to those education critics who want programs that make students think. NTSC and PAL. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RE-942 Reading Detective: A Word Game

This is for anyone who wants to cope with a new way of reading the ANGLISH LANGUAGE. Decipher what happened when LITTER WE RYE DING HOOT METER WICKET WOOF ASH SHAY VENT TOUR GROIN MURDERS COD DITCH HONOR UDDER SIGHED OFFER LODGE DOCK FLORIST, and so on with other examples of your own. Perhaps you yourself might become a writer of the ANGLISH LANGUAGE! If you, or some of your students, think it would be fun to grapple with English that has run amuck, we recommend this program. NTSC and PAL. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Reading and Thinking I-III

Designed to help train students who read well but comprehend only at the factual level, this series of programs stresses the interpretive or inferential

level, and the evaluative or critical level of reading. These programs provide a challenge to gifted students as well as older students requiring remediation, because the vocabulary is controlled but the questions require good analytical powers. \$54.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## SP-902 Spelling

Blends speech with screen-printed text. For grade 2. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## SP-903 Spelling

Blends speech with screen-printed text. For grade 3. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## SP-904 Spelling

Blends speech with screen printed text. For grade 4. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## SP-905 Spelling

Blends speech with screen printed text. For grade 5. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## SP-906 Spelling

Blends speech with screen printed text. For grade 6. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## SP-907 Spelling Detective Game

Become the Great Spelling Detective and learn how to spell 100 of the most frequently misspelled words in the English language. Along the way you will discover how the Amiga is programmed to speak words like 'acquaintance,' 'noticeable,' 'occurrence,' and 'privilege.' NTSC and PAL. \$39.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Spell-A-Fari

Uses synthesized and digitized speech to teach spelling skills. Create and edit spelling lists of up to 54 words. High-quality graphics animations. Six games to print to the printer or play from the computer. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

## Spelling 1

Expansion Disk for Discovery spelling game for grades 1 through 10. Requires Discovery program disk. \$19.95  
*Microillusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Spelling 2

Expansion Disk for Discovery grades 9 through 12. Spelling proficiency advances through ten levels. Requires Discovery program disk. \$19.95  
*Microillusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Spelling Fair

For ages 7-13. Six programs, each with three levels of difficulty, cover variety of spelling techniques, teaching plurals, similes, suffixes, prefixes, and homophones. Dictionary of 3,000 carefully selected words that often cause children difficulty; new words can be added. Colorful fairground

atmosphere. \$25.99.

*Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333*

## The Word Master Vocabulary Builder

Four educational activities designed to build word-power skills, including placement test and Pac Man-type maze game. Designed for grades 3-8. Expandable with Supplementary Data Disk for grades 9-12. \$39.95

*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## VO-920 Vocabulary Series One

Vocabulary series high-level package includes words from the 'New York Times,' 'Atlantic Monthly,' etc. Learner-controlled instruction. Eighteen lesson games teach more than 700 vocabulary words. Each lesson game can be played by one to four players. NTSC only. \$49.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## VO-921 Vocabulary Series Two

In this series of lessons, the user works with words that have the same, or similar meanings as other words. For example, the words 'banish' and 'eject' could be paired as synonyms. A combination of multiple choice, fill in the blanks, and spelling tasks are involved. The Amiga will provide assistance as needed. NTSC only. \$49.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Vocabulary Adventure I: The Castle of Treasures

Grades 4-6. This adventure takes place in an imaginary 50-room castle. The player begins in the Entry Room and must try to enter each of the other 49 rooms, accumulating treasures as he or she progresses. Treasures are worth a varying number of points and become increasingly more challenging to obtain within each room. Players can also pick up points while traveling through passageways from room to room. \$49.95

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Vocabulary Adventure II: The Labyrinth

Grades 6-8. Players explore an imaginary labyrinth, accumulating points as they go. Each area features three multiple-choice vocabulary questions describing the area and the creature that lives there. Players can also pick up points while traveling through passageways. \$49.95

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Vocabulary Adventure III: Marauders of the Lost Ark

Players take on the role of explorers as they search for treasures throughout the ark, moving to a new location after solving each vocabulary mystery. \$49.95

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Vocabulary Adventure Package

Text-based simulations: An exciting way to master new vocabulary. Requires 256K, 512K recommended. \$45.00

*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## WD-915 Word Demons

A lesson in usage of homonyms and verbs. The six lessons on this disk help you learn the correct usage of certain sets of words that often give trouble. NTSC only. \$29.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## WD-916 Usage Boners

In this series of lessons, the user learns to identify common mistakes in usage, such as, 'I Should Of

Know', or 'He Gave It To Mary And I.' NTSC only.

\$49.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Word Construction Set

Teaches English word building, recognition, and vocabulary skills for 1000 words through consonant and vowel patterns, word endings, prefixes, homophones, compounds, and Greek and Latin bases. To construct each word, user is given clues by sound, sentence, graphics, and sets of phoneme and word 'chunks.' Imaginary words can also be created by point and click. For A500/600/2000/3000. Requires 1MB. Australian, New Zealand, and U.S. distribution. \$46.75

*Lascelles Productions, 401 Lascelles St, PO Box 959, Hastings, New Zealand; (011) 64-6-878-9652*

## Words That Sound Alike

In this program, the student learns to identify and spell words that sound the same but are spelled differently. For example, 'wait' and 'weight,' or 'steak' and 'stake.' The Amiga provides help when needed. NTSC only. \$29.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## ◆ ENGLISH AS A SECOND LANGUAGE ◆

### Audio Gallery-ESL/Oriental

Audio Gallery-ESL/Oriental is a talking picture dictionary which teaches you the vocabulary of American English. Includes 30 common scenes, such as Living Room, World Geography, Weather, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Translations provided in Chinese, Japanese, and Korean. Contains seven-disk set with over 800 digitized words, quizzes, on-line dictionary and English language grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

### Audio Gallery-ESL/Romance

Audio Gallery-ESL/Romance is a talking picture dictionary which teaches you the vocabulary of American English. Includes 30 common scenes such as Weather, Country, Supermarket, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Translations provided in French, German, and Spanish. Contains seven-disk set with over 800 digitized words, quizzes, on-line dictionary, and English language grammar manual. Adjusts to NTSC/PAL. Requires 512K, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

### LA-985 American English for Spanish Speakers

A two-disk set. All screen messages for the learner are in Spanish. The computer speaks throughout each lesson. NTSC and PAL. \$69.00

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### LA-986 American English for German Speakers

A two-disk set. All screen messages for the learner are in German. The computer speaks throughout each lesson. NTSC and PAL. \$69.00

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### LA-987 The English Alphabet for Speakers of Urdu

The computer speaks both English and Urdu throughout each lesson. NTSC and PAL. \$39.00

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## LA-988 American Idiomatic English

Designed for persons who can understand plain English, but who may not understand expressions. Especially useful for, but not limited to, individuals who are learning English as a second language. NTSC and PAL. \$39.00

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Learning English As A Second Language

This 11-disk series begins the job of teaching English as a second language. Digitized pictures are extensively employed. The Amiga speaks throughout the entire series. The mouse is the response device. Note: This series begins the job of teaching American English as a second language. As such, it is suitable only for persons who do not yet know English. It would be too simple for anyone who's beyond that point. NTSC only. \$389.00

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## ◆ FOREIGN LANGUAGES ◆

### Audio Gallery

Audio Gallery-Dutch is a talking picture dictionary which teaches you the vocabulary of modern Dutch. Consists of an 8 disk set with over 800 digitized words arranged by general topics such as weather, food, etc. Click on the object in the picture to hear it pronounced and see it spelled. Includes quizzes, dictionary and grammar manual. 1 MEG and hard disk recommended. NTSC/PAL. \$89.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

### Audio Gallery-Chinese

Audio Gallery-Chinese is a talking picture dictionary which helps you learn written and spoken Mandarin Chinese. Contains over 25 illustrations of scenes such as Kitchen, Communications, and Classroom. Click on an object in the picture to hear it pronounced by a native speaker and see the translations in characters, Pinyin and English. Seven-disk set contains over 700 digitized word and phrases. Includes on-line dictionary, quizzes, and associated grammar manual. Adjusts to NTSC/PAL. Requires 512K, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

### Audio Gallery-ESL/Oriental

Audio Gallery-ESL/Oriental is a talking picture dictionary which teaches you the vocabulary of American English. Includes 30 common scenes, such as Living Room, World Geography, Weather, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Translations provided in Chinese, Japanese, and Korean. Contains seven-disk set with over 800 digitized words, quizzes, on-line dictionary and English language grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

### Audio Gallery-ESL/Romance

Audio Gallery-ESL/Romance is a talking picture dictionary which teaches you the vocabulary of American English. Includes 30 common scenes such as Weather, Country, Supermarket, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Translations provided in French, German, and Spanish. Contains seven-disk set with over 800 digitized words, quizzes, on-line dictionary, and English language grammar manual. Adjusts to NTSC/PAL. Requires 512K, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Education

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## Audio Gallery-French 1.1

Audio Gallery-French is a talking picture dictionary which helps you learn the vocabulary of continental French. Includes 28 scenes of general interest such as kitchen, classroom, weather, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Eight-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. Adjusts to NTSC/PAL. Requires 512K RAM, one disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Audio Gallery-German

Audio Gallery-German is a talking picture dictionary which helps you learn the vocabulary of Hochdeutsch German. Over 25 scenes of general interest, such as Transportation, Family Tree, City Center, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Seven-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. Adjusts to NTSC/PAL. Requires 512K RAM, one disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Audio Gallery-Italian

Audio Gallery-Italian is a talking picture dictionary which teaches you the vocabulary of modern Italian. Includes 28 scenes of general interest such as Weather, Kitchen, and Alphabet. Point and click on the objects in the picture to hear them pronounced by a native speaker. Seven-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. Adjusts to NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Audio Gallery-Japanese

Audio Gallery-Japanese is a talking picture dictionary which teaches you modern spoken and written Japanese. Contains over 30 colorful IFF illustrations of scenes such as Kitchen, Shopping, and Animals, combined with over 800 digitized letters, words, and phrases. Seven-disk set presents Katakana and Hiragana syllabary, Kanji characters, Hepburn romanization, and English translations. Includes on-line dictionary, quizzes, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Audio Gallery-Korean

Audio Gallery-Korean is a talking picture dictionary which teaches you modern spoken and written Korean. Contains over 30 colorful IFF illustrations of scenes such as Face and Body, Professions, and Animals, combined with over 800 digitized letters, words, and phrases. Seven-disk set presents Hangul syllabary and characters and English translations. Includes on-line dictionary, quizzes, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Audio Gallery-Portuguese

Audio Gallery-Portuguese is a talking picture dictionary which teaches you the vocabulary of modern Portuguese. Includes 30 colorful scenes such as Places, Numbers, and Places of Interest. Point and click on the objects in the picture to see how they are spelled in Portuguese and translated into English, and to hear them pronounced by a native speaker. Seven-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and

grammar manual. Adjusts to NTSC and PAL. Requires 512K RAM, disk drive. Amiga DOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Audio Gallery-Russian

Audio Gallery-Russian is a talking picture dictionary which teaches you the vocabulary of modern Russian. Includes 30 scenes of general interest such as Shopping, Places, Numbers, etc. Point and click on the objects in the picture to see how they are spelled in Cyrillic and translated into English, and to hear them pronounced by a native speaker. Eight-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Audio Gallery-Spanish

Audio Gallery-Spanish is a talking picture dictionary which helps you learn the vocabulary of Spanish through illustrations and digitized sounds. Consists of seven-disk set featuring 28 scenes of general interest, such as Weather, Shopping, etc. Contains 650 digitized words or phrases by a native speaker related to the objects in the picture. Includes quizzes, dictionary, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954*

## Beginning German

MicroEd used its powerful C.L.A.S. authoring system in collaboration with a German language teacher to create this original program of foreign language instruction. The Amiga speaks German throughout every lesson, and will not allow the student to enter any incorrect word, or even a single wrong letter! The program assumes the learner knows English. NTSC and PAL. \$69.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Cyrillic Alphabets 2.3

Russian, Macedonian, Ukrainian, Serbian & Bulgarian character sets suitable for students, professors, government workers, or anyone who needs small to medium-size attractively modelled bitmap fonts for letters, assignments, or as a learning tool. Includes utilities and three keyboard configurations for each language (15 in all). Switch easily between AATSEEL, QWERTY-phonetic & Soviet typewriter keymaps. Full English set included in each. English & Cyrillic can be combined in one document. Twelve typefaces, about 36 styles, 8 to 42 lines high. Comprehensive 80-page manual, keyboard charts & samples. \$44.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## French Grammar I-III

The French Grammar Series is designed to provide instruction in all the major points of French grammar and usage. Vol. I includes nouns, definite and indefinite articles, prepositions, and more. Vol. II includes qualifying adjectives, interrogative forms, negative forms, cardinal and ordinal numbers, and more. Vol. 3 includes first, second, and third conjugation regular verbs and imperative forms. Ten lesson modules. Three volumes; \$34.95 each. \$34.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## French Grammar Series I

Nouns, adjectives, numbers, prepositions, verbs. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## INTERNATIONAL FONTS

International version of Professional Font Library supports Western European languages (French, Italian, Portuguese, Spanish, Danish, Swedish, Norwegian, Finnish, Icelandic, and German). Small, medium, and medium-large artist-designed monochrome and color bitmap fonts especially suitable for WYSIWYG word processing and paint program applications. Includes multiple diskettes, extensive documentation, foreign keymaps, key charts and utilities. 512k recommended, 2MB for color fonts. \$129.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## Japanese 1

An intro to basic spoken and written Japanese. Uses over 2.4MB digitized speech of a native Japanese to teach pronunciation, and incorporates customized fonts to teach written Japanese characters. The manual further develops grammar skills taught in the program. Requires 512K RAM minimum. Workbench 1.3 and 2.0 compatible. \$41.95  
*Education Tutorial Software, P.O. Box 988, Westminster, CA 92684; (310) 470-6205*

## Korean: Hangul Lab 1 & 2

Korean language instruction for the beginner. Volume 1 teaches the basic elements of written and spoken Korean using a computerized 'language lab'. The Korean alphabet (hangul) can be learned in minutes with the aid of the program's on-screen drawing, while the digitized voice of a native speaker teaches pronunciation. Volume 2 uses the same approach with phrases and sentences. Timed, audio/visual tests are included. 2 volumes, 29.95 each. Requires 512K RAM, AmigaDOS 1.3 or higher. \$29.95  
*Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751; (512) 452-2441*

## Linkword Languages

Language Software and audio tapes. French, German, Spanish, Italian, Dutch, Greek, Portuguese, and Russian. Uses mental imagery to link foreign words to acoustically similar English words. Learn 400 words in 10 hours, less than one third the time of conventional teaching methods. Ideal for travelers, business people, and first-year language students. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573*

## Spanish Grammar I-III

All of the major points of Spanish grammar and usage are covered in this series of interactive tutorials. Vol. I includes gender and number of nouns, definite and indefinite articles, present tense of regular verbs, and more. Vol. II includes gender, number, agreement, and use of adjectives, saber and conocer, first and second person object pronouns, and more. Vol. III includes the preterit tense of regular, irregular, and stem-changing verbs; uses of the definite article; comparatives and superlatives; and more. Ten lesson modules. Three volumes; \$34.95 each.  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Spanish Grammar Series I

Nouns, verbs, contractions, adjectives, key phrases, articles, possessives. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## ♦ GEOGRAPHY ♦

### Antarctica

Australian graphic atlas expansion module using easy-to-use point and click interface as found in (AGA). The four-disk set has a run time version and an AmigaVision version. Also, 3.2 upgrade for AGA expands AGA and allows you to view detailed information on climate, explorers, wildlife, and scientific stations. PAL only. Requires 1MB RAM or

more. \$59.95

HC Software Pty Ltd, PO Box 782, Prospect East, S.A., Australia 5082; (011) 618-262-4461

## Australian Graphic Atlas 3.0 (with player program)

The Australian Graphic Atlas for the Amiga is ideal for teachers to illustrate their lessons on geography. Using maps of Australia and the states, provide quick access to any part of the country and any type of map. Entirely mouse- and menu-driven, it features the ability to show maps of climate, land use, flora, fauna, population, minerals, and soils. Each capital city is also featured with its own map and detailed information. Six disks and over 60 screens of maps. All maps are IFF compatible; PAL; automatic hard-disk installation. A demo disk is available. AmigaVision included. \$89.95  
HC Software Pty Ltd, PO Box 782, Prospect East, S.A., Australia 5082; (011) 618-262-4461

## Choromap

Make maps showing any data for any area. Produce basemaps with the mouse. \$51.00  
Bassett Geographic, 1103 E. Magnolia Avenue, Auburn, AL 36830; (205) 887-9057

## Demographics

Australian Graphic Atlas expansion module. Covers detailed statistical information on every electorate within Australia. Over 150 zone maps and graphical displays. Hard drive installable. PAL. Workbench 2.0 compatible. Requires 1MB, AmigaVision 1.7 or higher, version 3.5 or higher of Graphic Atlas. \$59.95  
HC Software Pty Ltd, PO Box 782, Prospect East, S.A., Australia 5082; (011) 618-262-4461

## Geography Adventure Games

Text-based simulations: Learn American and world geography while you play. Requires 256K, 512K recommended. \$60.00  
Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224

## Geography Expansion Disk for Discovery

Physical and political geography and more. Grades 9 through 12. Requires Discovery program disk. \$19.95  
Microllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200

## U.S. Geography

Exciting game format provides hours of fun while students develop geography skills. As students travel to all 50 states, plus Washington, D.C., Puerto Rico, Guam, and the Virgin Islands, they learn to locate the states and cities in relationship to each other. Students also learn to identify each state, the state's capital, and the state's largest cities, rivers, and other noteworthy geographical features. Grades 4 and up. \$59.95  
Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224

## World Atlas Version 2.5

World Atlas is the first computerized atlas for the Amiga. It gives you direct access to information and details on more than 170 countries plus all fifty states. With World Atlas you can discover each country's history, population, language, and customs. In addition, World Atlas gives you Earth facts and information about different time sectors and more. To operate the program, you can choose from a displayed world map by clicking on the continent where the country you want is located; then on the location of the country written on the continent. Another way to choose is by using an alphabetical list of the countries. In addition, there is a seek function that allows you to find countries based on information you feed to the computer, such as capital, population, area, or language. AmigaDOS 2.0 compatible. \$59.95  
Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226

## World Geography Adventure I-IV

Game format teaches student to identify countries, cities, and other geographical features of the world. Vol. I-North and South America; Vol. 2-Europe; Vol. 3-Africa; Vol. 4-Asia. Four disks, each is \$49.95.  
Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224

## World Odyssey

World geography in a puzzle format. Select map (12 choices) and answer questions about geography. You control the answer format. Score is kept for the 10 best players. \$49.99  
Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620

## World Tour USA

Fun educational game. Learn important and interesting facts about the United States, with complete tutorials on each state. The game information includes state name, capital, abbreviation, date entered union, state bird, flower, tree, and bonus trivia questions. A great time for the whole family. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, Africa

An enjoyable educational game, based upon the popular World Tour USA. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, Australia

Another game in the World Tour series. Use the tutorials to learn about the provinces, capitals, languages, and more. Play the game and see how much you know. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, Canada

Another game in the World Tour series. Use the tutorials to learn about the provinces, capitals, languages, and more. Play the game and see how much you know. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, Central America

An enjoyable educational game, based upon the popular World Tour USA. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, China, Far East

An enjoyable educational game, based upon the popular World Tour USA. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, Europe

An enjoyable educational game, based upon the popular Great States II. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, India

An enjoyable educational game, based upon the popular World Tour USA. Complete tutorials include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, Russia/Western Asia

An enjoyable educational game, based upon the popular World Tour USA. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## World Tour, South America

An enjoyable educational game, based upon the popular World Tour USA. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

## ◆ HEALTH ◆

### Blood Gases

Teaches bed-side rapid blood gas interpretation; including arterial-alveolar diffusion gradients, acid-base balance, acidosis correction, and normal values. \$49.95  
Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004; (801) 756-6027

### Cardiac Arrest!

Advanced Cardiac Life Support (ACLS) simulator, user assumes role of code team leader, typing resuscitation orders in plain English. Complex, simple, and pediatric scenarios, 45 patients total. On-screen EKG rhythm strip. Allows user to practice and refine ACLS skills. \$69.95  
Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004; (801) 756-6027

### Code Team!

Training programs for Advanced Cardiac Life Support (ACLS). On-screen EKG rhythm strip interpretation, self-teaching quizzes, arrhythmia scenario simulator. Prepares user to pass ACLS certification or review ACLS concepts and treatments. \$69.95  
Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004; (801) 756-6027

### Diabetic Diet Manager

Assists the diabetic in food selection based on his/her doctor's recommendations. \$49.95  
Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337

### HealthMed

Comprehensive home medical guide. \$99.00  
Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Education

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Nutri-Fax

Nutritionally analyze your recipes for the most common nutrients. Data base utilizes food items from USDA Handbook 8 and allows for easy user expansion. Includes Variety Cookbook Recipe disk with over 150 recipes edited for home use. \$59.95  
*Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509; (714) 683-5666*

## Nutrition Guide for the Home

Provides nutritional information on a personal basis. Recipe analysis, and daily intake analysis. \$89.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

## Nutrition: A Professional Guide

A nutrition planning, reference, and analysis tool for the professional. Two disks. \$199.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

## SC-936 AIDS Information Game

Provides basic information on the AIDS virus in a game format for one to four people. NTSC only. \$39.95  
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## Total Control Diet

A high-tech approach to weight control and diet. Personal history and specific daily recommendations. \$49.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

## ◆ HISTORY ◆

### All About America

U.S. history and geography with 16 stories, illustrations, questions, maps, and quizzes. Ages 6-11. Two disks. Each story is followed by comprehension and vocabulary questions. Map disk covers states and capitals, directions, postal abbreviations, North & South before the Civil War, and colony maps. Uses speech as an extra stimulus. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

### American History Adventure

Encourages players to master historical relationships and details through repeated play and by providing an incentive to study. In this exciting learning experience, the student plays a roving reporter who tries to meet with and identify 92 historical characters in American history, and locate them correctly in time and place. The top 40 scores are recorded in the 'Hall of Fame.' Grades 7 and up. \$49.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

### History

Expansion Disk for Discovery grades 9 through 12. Ancient through modern history. Requires Discovery program disk. \$19.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

### History Adventure Games

Text-based simulations: Learn American and world history while you play. Requires 256K, 512K recommended. \$35.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

### SS-951 Lewis and Clark Expedition

Five disks with 50 digitized photographs and drawings provide pictorial settings for Lewis and Clark's expedition. NTSC only. \$89.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### SS-952 Across the Plains

This two disk program provides students with

information about the Westward Movement, that long and hazardous journey of American emigrants, using everything from handcards to covered wagons, across the Great Plains all the way to the West Coast. NTSC only. \$59.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### SS-953 Early Great Lakes

A three-disk book on the fur trade. Interactive text, 30 digitized pictures of the European-Indian relationship in the 17th-19th centuries. NTSC only. \$79.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### SS-954 Making our Constitution

Information is provided on four disks concerning this great drama and its leading players as events unfold 200 years ago between May and September of 1787 at what is now called Independence Hall on Philadelphia. NTSC only. \$79.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### SS-955 Transcontinental Railroad

Learn about the building of the Transcontinental Railroad (1865-1869), one of the great human engineering feats in recorded history. The program uses digitized pictures created from photographs taken during those times. NTSC and PAL. \$39.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### SS-956 Introducing Maps

Using 20 digitized pictures, this program provides basic introductory information about maps. Topics include what maps are, seeing with maps, symbols, directions, compass directions, map legends and scales, oceans/seas/gulfs/bays/straits, salt and soil, continents and hemispheres, in both the east and west, guidelines for finding places, latitude and longitude, degrees of latitude, lines of longitude, strengths and weaknesses of flat maps, rough surface, a changing surface, weather, climate, and the development of American mapping. NTSC only. \$59.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## ◆ LOGIC ◆

### BlackBox

Hide up to eight atoms somewhere inside a rectangular 8 x 8 grid. Shoot high energy particles into the sides of the BlackBox, see where they come out and try to find the correct positions of the higher atoms. Scoring depends on your speed and the number of shots required. Has full on-disk documentation. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

### Dots 2

That classic dot game that is usually played on the backs of paper placemats in better eating establishments everywhere. Connect dots on a 7 x 9 grid. Be the one to place the last side on the square and claim that square for yourself. Plenty of sound and two-player tension/action. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

### Idhan II

A classic marble game played on a cross-shaped playing field. The object of the game is to jump marbles in such a manner as to remove as many marbles from the playing field as possible. Great graphics. Play against the clock and other opponents to achieve the lowest number of marbles. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

## Lessons in Reading and Reasoning

The complete five disk Reading and Reasoning series which teaches logic and reading by examining various fallacies. For a more complete description of the individual lessons, please refer to the separate listing below. \$149.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Lessons in Reading and Reasoning I-IV

For grades 9 and up. Lessons in reading and reasoning teach logic and reading by examining various fallacies. Lesson 1 examines shift-word fallacies and circular reasoning. Lesson two addresses fallacies of inadequate data and the red herring fallacy. Lesson three examines stereotyping. Lesson four examines sexism fallacies and proverbs. Lessons I, II, and III are \$39.95 each. Lesson IV, two disks, is \$59.95.  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## The Logic Master

Helps develop high-level thinking skills in analogies and number series. Includes fantasy role playing game. Grades 5-12. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## Traversal

Amiga version of 3M box game, Twixt. Two players head for opposite sides of mountain top (really a hexagonal grid) trying to be the first to create a complete and unbroken path of flags from edge to edge. The setting is an unnamed mountain top somewhere in the Himalayas. But watch out for that flag eating Yeti! Handicapping allows for players of differing abilities to play with some uncertainty of the outcome. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

## Tupni

Turnip game involving two players or one player against the computer with three levels of play. Each player has six pieces, each with a fixed, predetermined movement pattern that travels around a 4 x 3 grid. Capture your opponent's pieces by careful selection and timely movement of your pieces. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

## ◆ MATH ◆

### Adventures in Math

Adventures in Math is an entertaining learning game that reinforces basic math concepts for children ages 4-8. You must travel through a never-ending jungle, searching for wild animals that will take you to math challenges. The math challenges focus on specific curriculum objectives from kindergarten to first and second grade levels. Some of the concepts presented include number sets, 'more' and 'less', logical sequencing, number symbols, and addition and subtraction facts. Grade level and difficulty can be adjusted to match the child's current level. \$39.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### Algebra I

Evaluate, plot, and simplify algebraic expressions. Work with functions, numeric expressions, geometric measurement, systems of equations, and radicals. Find roots and solve quadratic equations, linear equations, more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

### Algebra Word Problems

Even the brightest students can be baffled by word problems. Problems are made clear with these programs, since each wrong answer draws a step-

by-step explanation to help students with algebraic solutions to mathematics problems. Ten programs on one disk, graded in difficulty. \$45.00  
**Intellectual Software, Division of Queue, Inc.,**  
 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224

## Arithmetic

Educational programs for studying and reviewing topics in arithmetic. Includes fractions, percent, square roots, metric system, and more. \$49.95  
**True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC**

## Back to Basics

For ages 7-14 years. Old-fashioned, common sense teaching methods. Multiplication, division, tables test, addition, subtraction, say 'n spell. Doesn't patronize the student; excellent for teaching hard skills. Inquire about shipping. \$33.75  
**Lascelles Productions, 401 Lascelles St, PO Box 959, Hastings, New Zealand; (011) 64-6-878-9652**

## Balancing Act

The learning objective is to be able to check a bank statement for errors through addition and subtraction. The student views a checkbook that includes deposits and withdrawals. Errors must be identified. Accuracy and speed are the factors that will either elevate the player to bank president or land him in unemployment. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## Calculus

Educational program covers general topics in calculus. Includes graphing and a routine to perform symbolic differentiation on any  $y=f(x)$  function. Display formulae for multiple derivatives, and plot the function and its derivatives on single graph. Topics include limits, tangents to a curve, minima and maxima, area under a curve using approximation methods, more. \$49.95  
**True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC**

## Decimal Dungeon

Escape the dungeon master by answering math decimal problems. Age 9 and up. Full-screen explanations are given for incorrect answers. Choose to add, subtract, multiply, divide decimals or to convert them to percents or fractions. Arcade-style game with each player on his or her own difficulty level. \$39.95  
**Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818**

## Discrete Mathematics

Educational foundation for introducing computer science. Construct truth tables, Venn diagrams, build binary trees and do binary searches, and compare sorting algorithms under different conditions. Includes True BASIC source code. \$49.95  
**True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC**

## FlashBlaster!

Alternative arcade style approach to learning flash card math. High quality digitized sound and animation effects maintain childrens' interest and make learning math basics a pleasure. Recommended for pre-kindergarten to Grade 6. Requires 1MB, AmigaDOS 1.3 or 2.0. Upgrades to new version available for registered owners. \$49.95  
**EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803; (205) 881-6297**

## Fraction Action

Escape the mad professor by answering math fraction problems. Incorrect answers lead to full-screen explanations. Age 9 and up. Arcade-style game for one or two players with each in his own difficulty level. Choose to add, subtract, multiply, or divide fractions. \$39.95  
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## Fraction Concepts

There are four programs on this disk. They teach the primary concepts and skills needed to work with fractions. Topics include writing proper and improper fractions and mixed numbers, identifying equivalent fractions, and reducing fractions. NTSC only. \$79.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## Fractions!

Teaches simplifying, multiplying, dividing, and adding fractions. Inquire about shipping. \$24.95  
**Lascelles Productions, 401 Lascelles St, PO Box 959, Hastings, New Zealand; (011) 64-6-878-9652**

## MA-903 Medal Winner

Grades 4-8. Arrange digits of two numbers to produce the highest product. Create a multiplication problem with three digits (four digits in the advanced level) that will produce highest product. Teaches logic as well as multiplication. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-904 Sum-It Mountain

Grades 1-8. Success depends on the student's ability to add numbers rapidly. Carry a flag to top of mountain; mistakes return you to the bottom. Clock records climbing time. Brings students to the 'peak' of successful addition! NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-909 Pinball I.Q.

Grades 3-8. Division lessons combined with a video pinball game. Find the whole number part of a quotient in division. Correct answers light up bumpers on a pinball machine and build up score. Game ends when all numbers are lit. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-921 First Year Algebra

Learn on a step-by-step basis how to develop skills for solving algebraic equations with emphasis on arithmetic properties. Acting as your personal tutor, the Amiga will teach you what you should know about basic algebraic equations, binomial multiplication using the FOIL method, monomial and binomial factoring procedures, binomial squared factoring and completing the square. NTSC only. \$99.00  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-922 Algebrain: The Computer/Textbook Connection

Enter any equation of your choice. Let your Amiga show you step-by-step how to solve it. Will automatically fit any algebra textbook. NTSC only. \$99.00  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-928 Numbowl

Grades 3 to 9. Work with three digits and two operations to create an expression that is as close to 30 as possible. As in bowling, there are ten turns or frames. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-930 Parting Shots

Grades 4 to 9. Compare one set of objects to its whole, as a fraction, and reduce that relationship to lowest terms. There are three levels of play and ten turns. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-932 Math Golf

Grades 4 to 9. Produce a result as close to one as possible from a three-number expression of two operations. A golf game format is used. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-936 Number Jumper

Grades 1 to 8. View a group of single-digit addends for a limited time and recall the sum. With each success, a jumper hurdles the numbers. Multiples can be studied by using identical addends. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-938 Caterpillar 500

Grades 2 to 8. Solve simple whole-number equations that include multiplication and either addition or subtraction. A game format is used in which a caterpillar speeds around an oval in an Indy 500-type race. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-943 Last of the Ninth

Grades 2 to 8. Find the product of two numbers, one of which could be a two-digit number. A baseball game format is used in this multiplication exercise. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-944 Slam Dunk

Grades 1 to 8. In a timed exercise, identify as many basic facts as possible from the operation of the learner's choice. For each correct fact, a basketball player swishes the net with a long shot. A slam dunk takes place as a super bonus for five right answers in a row. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-948 Pail Green

Grades 4 to 9. Given one fraction and either the numerator or denominator of another, you name equivalent fractions. This program can also be used in a unit on ratio and proportion. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-953 On the Line

Grades 4 to 9. Name improper fractions as mixed numbers, and visa versa. Football jerseys illustrate the theme. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-954 Branded

Grades 3 to 9. Name, as a fraction, the relationship of a part to its whole. Cattle, some branded, graphically highlight the point. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-967 Sum Fun

Grades 3 to 8. Position single-digit numbers in a 4 x 4 grid to maximize the sums of certain rows and columns. Skill prevails over luck in this lesson game that can be played by an individual or an entire group using game sheets. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-993 Figuring the Angles

Grades 4-9. Estimate with increased accuracy, the size of acute and obtuse angles. There is a game theme related to golf in which the goal is to better par. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-998 How-To Addition

Grades 1-8. Add whole numbers by column, with regrouping or no regrouping. Lessons with 14 option levels can be tailored to the student's individual needs. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## MA-999 How-To Subtraction

Grades 1 to 8. Subtract whole numbers by column with regrouping. Lessons with eight option levels can be tailored to the student's individual needs. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242**

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Education

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Maple V Computer Algebra System

Maple V delivers a completely new graphical user interface with 3-D color graphics. Maple has an extensive library of more than 2000 procedures common to many scientific and engineering applications. This software provides a complete mathematical environment for both symbolic algebraic expressions and arbitrary-precision numeric arithmetic. Natural, easy-to-use operations are provided for polynomial manipulations, differentiation, definite and indefinite integration, solution of equations, and other operations. Supports A1000, 2000, 2500, and 3000. Requires AmigaDOS v2.04, 2MB RAM, and 8MB disk storage. \$795.00  
*Waterloo Maple Software, 160 Columbia Street West, Waterloo, Ontario, Canada N2L 3L3; (519) 747-2373*

## Mark's MathLab

Can be used by high-school or college math student for many applications including electronic chalkboard for demonstrations of functional behavior in two or three dimensions, engineering design and analysis, or pure experimental fun. Parser recognizes 34 built-in math functions. Requesters filled with default values, up to 30 constants per expression, function requesters up to 150 or 225 characters, plotting of one variable in Cartesian or Polar, wire frame solids of revolution with one or two functions, function plotting and tables, perspective, orthographic, and contour map graphing, hidden surface removal, as well as asymptotic behavior detection control. Requires 1MB, AmigaDOS 1.3 or 2.0. \$49.95  
*EasyScript Software, 10006 Covington Drive, Huntsville, AL 35803; (205) 881-6297*

## Math 1

Expansion Disk for Discovery basic four-function math drills for grades 1-7. Requires Discovery program disk. \$19.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Math Blaster Plus

Math Blaster Plus contains five motivating learning activities covering over 750 basic math facts. The program covers more subject areas than other math programs: addition, subtraction, multiplication, division, fractions, decimals, and percents. An exciting arcade-style game motivates children to learn, while an optional record-keeping feature monitors students' progress. A printed Certificate of Excellence rewards outstanding scores. \$49.95  
*Davidson & Associates, Inc., P.O.Box 2961, Torrance, CA 90509; (800) 556-6141*

## Math Concepts

Expansion Disk for Discovery grades 9 through 12. Prepare for SAT's, practice problems in algebra, geometry, trig, and more. Requires Discovery program disk. \$19.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Math Doctor

Teach all basic math functions just as the schools do. Whole numbers and fractions, decimals too. Use borrows and carries just as you would on paper. Easy to use graphics interface with speech and positive reinforcement. \$39.95  
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## Math Odyssey

Math in a puzzle format. Math questions are asked. You select the answer. When completed, put together a puzzle. Score is kept for the 10 best players. \$49.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

## Math Wizard

Four educational math games for one or two players, ages 5-13. Talking program with several skill levels. Add, subtract, multiply, divide, or learn how to do word problems. Players can practice math together with each on his own difficulty level

and mathematical operation. \$39.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste 1, Las Vegas, NV 89119; (702) 597-0818*

## Math-A-Magician

Add, subtract, multiply, or divide fractions or whole numbers. Play, practice, and learn. Features graphics and speech. \$39.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

## MathVision 2.4

The new version, MathVision 2.4, features 24-bit support, support for a variety of 24-bit hardware through libraries, new functions, easier interfaces such as tabbing between lines, and an ability to launch hooks and ARexx for within MathVision. \$223.00  
*Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368; (206) 385-1956*

## Mathasaurus

Ages 3 and up. Mathasaurus is an action adventure game, that kids can actually play, learn addition, subtraction, and expand their minds. Real digitized voice sounds, Babysaurus, Aliens, Dragons, and much more make it arcade fun. \$24.95  
*Cancor, 14 Garrard Rd., Whitby, Ontario, Canada L1N 3K3; (416) 434-4247*

## Mathasaurus II

Ages 3 and up: The Babysaurus are troubled again. It is up to you and your hero to retrieve the antidote and save the Babysaurus from total disaster, in this action-adventure game. Mathasaurus II is ready for you. Basic 2-digit numbers involve addition and subtraction, to aid in your child's mathematical development. Entertaining and educational software for those very important people: the kids. \$24.95  
*Cancor, 14 Garrard Rd., Whitby, Ontario, Canada L1N 3K3; (416) 434-4247*

## MathsMaster

Australian Maths educational package for Grades K to 6 for Commodore Amiga. Observes arithmetic procedures used in Australian schools and includes graphics and sound featuring popular Australian animals. Provides three levels to cater for developing skills. \$39.00  
*Desktop Utilities, North American dist: Consultron, P.O. Box 3053, Manuka, ACT 2603, Australia; (011) 616-239-6658*

## Maxi Taxi

Grades 4-9. The learning objective is to determine maximum earnings in a work situation by relating time to money. The student earns as much as possible per hour as a taxi driver. Potential is based on the rate and the time each ride consumes. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Merlin's Maths

Encourages pupils to learn the basics of counting, decimals, fractions, volumes, and more while retaining a fun element. Brilliant graphics and eye-catching sequences reward children as they progress through levels. Consists of six games, each with at least three different levels, with help screens as required. £25.99.  
*Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333*

## Parking Lot

Grades 4-9. The learning objective is to make the greatest business profit by applying the law of supply and demand. The student attempts to fill all the spaces in a parking lot by charging the highest monthly rate that the traffic will bear. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Pre-Calculus

An introduction to calculus and trigonometry. Educational programs for plotting and comparing

functions, manipulating range. Solve triangles, learn polar coordinates, overlay functions on same graph or manipulate range. Solve triangles using SAS, ASA, SSS, and SSA methods. More. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## Probability Theory

Introduction to probability theory and decision-making processes. Simulate coin toss, dice throw, and random walks. Introduce normal and poisson distributions and the Central Limit Theorem, Bayes Probabilities, Markov Chains. Many useful examples like gambler's ruin, Galton Box, birthday problem, and craps. Tools for Venn diagrams, more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## Score City Motel

Grades 4-9. The learning objective is to maximize business earnings by equating supply with demand. As a motel owner, the student's goal is to make the highest profit. If there are more customers than rooms, rates can be raised. If too many rooms are empty, rates should be lowered. The learner's business skill is evaluated. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## Space Math

An out-of-this-world way to learn math for children ages 8 and older. The object is to maneuver your space craft through outer space to land on alien planets. Earn points for correct answers and perfect landings. Eight levels of play and 27 possible difficulty settings. \$14.95  
*Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (800) 468-7226*

## The Math Advantage

Talking elementary math tutorial. Has 10 levels through simple division. Incorporates techniques designed to teach Learning Disabled students. Repetition, speed drills, sequencing, and immediate, positive corrective feedback target development of short- and long-term memory. Includes game reward, Equation Invasion. Recipient of Award of Merit from Johns Hopkins University National Search for Computing to Assist Persons with Disabilities. The elementary math tutor for ALL students. Requires 512K. \$29.99  
*ISOM Software, 2614 Bowling Green Drive, Vienna, VA 22180; (703) 849-1838*

## Trigonometry

A general-purpose software tool which can be used to illustrate concepts in a trigonometry course, or advanced algebra with a trigonometry unit. Solving triangles, roots of functions, combining functions, trigonometric identities, and polar coordinates, with a choice of radians or degrees for examples. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## TrueSTAT

Educational programs use an interactive approach to introduce statistical analysis. Many topics. Features built-in editor and syntax. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## X-It

A two-dimensional game designed to increase a student's familiarity with the Cartesian co-ordinate system. Two randomly chosen lines of differing slopes intersect within an 11 x 11 grid. The purpose of the game is to find the intersection of the lines. Four different colored marbles are hidden within the grid such that each color is wholly contained within one of the four quadrants created by the two intersecting lines. Clicking on the grid reveals a colored marble. Score is based on the number of seconds and marbles used. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

## ◆ MUSIC ◆

### Keys to Music Vol.I Learn To Read Music

Volume I is music teaching software that supplies knowledge to complement the learning of musical instruments. It covers musical terms, names of the notes, note values and basic rhythm. Keys to Music is a highly developed version of the program that won first prize in Commodore's 1991 AmigaVision contest. It uses synthesized voice, graphics, text, brief histories and musical examples. Games and drills to enhance learning are provided throughout. Quizzes are given at the end of each lesson and the results are entered into a database. Keys to Music makes learning music fun. It is the perfect teaching tool for school-age children on up to adults. \$59.95

### Electric TheatreKeys to Music Vol.II Learn To Write Music

Volume II is a continuation of Volume I. It goes into time signatures, key signatures and scales. It continues on into actually writing music. Keys to Music is a series not only for those studying instruments, but for users who would like to write and perform music on the computer. \$59.95

### Electric TheatreTake Note

Take Note is ear/sight training for musicians. It helps you develop your aural recognition skills with a flexible set of drills covering everything from single pitches to over 30 scales. Take Note gives you a better understanding of what you hear by allowing you to enter and view musical forms on the staff, for piano and guitar. \$79.95

Take Note Software, 285 Divisadero #3, San Francisco, CA 94117-3226; (415) 431-9495

## ◆ SCIENCE ◆

### All About Whales (story diskette)

Fun and informational story all about whales. Learn different types and classifications of whales. What they eat and where they live, plus much more. For use with Talking Storybook reader diskette. \$29.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947

### Astronomy Disks

User-written astronomy and space-science public domain and shareware collection. Included are satellite trackers, planetary orbit calculators, sidereal time calculators, weather-related programs, deep sky databases, gravity simulations, telescope design, space art, and more. Set of 12 disks (over 8MB) is \$29.95 including S&H. Individual disks available. Send SASE with two stamps postage for catalog.  
Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646

### CoreWars

An implementation of the CoreWars system environment as published by A.K. Dewdney in Scientific American's 'Computer Recreations'. In the CoreWar system, two programs are written in a language called RedCode, which consists of eight simple instructions. The two programs are compiled and placed together inside the computer's 'Core'. The object is for each program to seek out and disable the other program causing the other to cease running. This system includes the assembler, the run-time system and full on-disk documentation. This can be used in a computer science class as an introduction to machine/assembly language. AmigaDOS 2.0 compatible. \$19.95  
SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810

### Distant Suns Expansion Disk-Big Stars on Demand

250,000-star NASA skymap. 28-disk set. Hard disk required. \$145.00  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515

### Distant Suns Expansion Disk-Deep Sky Objects

Deep Sky Objects shows 213 scanned observatory

images of galaxies, nebulae, and star clusters. Most of the objects from the Messier Star Catalog are included, as well as over 1200 NGC (New General Catalog) objects. Point and click to an obscure pinprick of a star and see a detailed photograph of how it looks to professional astronomers using high-powered visual instruments. Black and white images displayed in a box similar to 'telescope' mode in Distant Suns. Installable on hard disk. See Distant Suns in Education category. \$30.00  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515

### Distant Suns Expansion Disk-Sky Map Level 1

Sky Map adds more than 20,000 additional 'Distant Suns' to your sky. The data for these stars, such as location, luminosity, etc. was taken directly from NASA's own deep-star catalog, which is comprised of relevant information on over a quarter-million stars. Skymap includes the brightest stars from the catalog, or those with magnitudes of 7.25 or brighter. The result is visually gorgeous. Data can also be displayed about these stars. Hard disk installable. Two-disk set. See Distant Suns in Education category. \$25.00

Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515

### Distant Suns Expansion Disk-Yale Bright Catalog

Yale Bright Star Catalog adds 9,100 more stars to your Distant Suns sky, which already has more than 2,200. The user is able to pull up data on more than 7,000 of these stars. Hard disk installable. See Distant Suns in Education Category. \$18.00  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401; (805) 545-8515

### Physics of Motion

A tutorial and self-study guide of mechanics with interactive problem solving. \$49.95  
Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337

### RangeFinder

This is an AmigaVision multimedia physics lesson on projectile motion, recoil velocity, and the force of friction. After instructions and demonstrations of the effect of muzzle velocity and cannon angle on a cannon ball's trajectory, the students are presented with a wide-angle view of a landscape, a cannon, and a target. The students try to hit the target by adjusting the cannon angle and ball velocity. Requires AmigaVision, 3MB RAM and about 2MB available on a hard drive. AmigaDOS 2.0 compatible. \$19.95  
SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810

### SC-928 Blood Bank

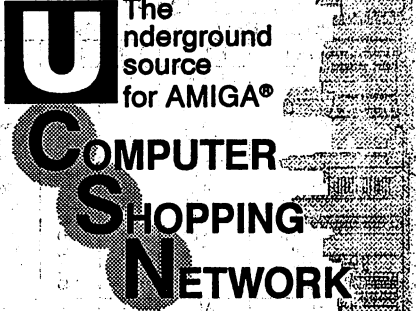
Grades 5 to 9. Increase the supply in a blood bank by mastering a set of basic terms about the human circulatory system. If responses are wrong, or a review is requested, the supply is depleted. NTSC only. \$29.95  
MicroEd, P.O. Box 24750, Edina, MN 55424; (612) 929-2242

### SC-929 Explorer's Digest

Grades 5 to 9. Display your mastery of a set of basic terms about the human digestive system and help Lewis and Clark expedition reach its destination. A map charts the course of the expedition. NTSC only. \$29.95  
MicroEd, P.O. Box 24750, Edina, MN 55424; (612) 929-2242

### SC-930 Second Wind

Grades 5 to 9. Run a four-minute mile by displaying your mastery of a set of basic terms about the human respiratory system. Graphics are included. NTSC only. \$29.95  
MicroEd, P.O. Box 24750, Edina, MN 55424; (612) 929-2242



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### SC-931 Salvage

Grades 6 to 9. Demonstrate your mastery of a set of basic terms about the human excretory system. The learner is portrayed as the operator of an aluminum recycling center. NTSC only. \$29.95  
MicroEd, P.O. Box 24750, Edina, MN 55424; (612) 929-2242

### SC-932 Sunnyside Up

Grades 6 to 9. Become a successful egg farmer by demonstrating mastery of a set of basic terms about the human reproductive system. The more you know about reproduction, the more eggs your chicken will produce. NTSC only. \$29.95  
MicroEd, P.O. Box 24750, Edina, MN 55424; (612) 929-2242

### SC-935 Planet Probe

Grades 3-9. Teaches facts about the solar system through an arcade-style space simulation. Learn about planets and build up fuel supply as you attempt to land space ships safely on nine planets. NTSC only. \$29.95  
MicroEd, P.O. Box 24750, Edina, MN 55424; (612) 929-2242

### SC-955 Save the Whales

Grades 4 to 9. Guide the whales through pirate waters to safety by displaying your knowledge about them. The program uses a game format. NTSC only. \$39.95  
MicroEd, P.O. Box 24750, Edina, MN 55424; (612) 929-2242

### Science Expansion Disk for Discovery

Grades 9-12. For education or SAT preparations. Covers general science. Requires Discovery program disk. \$19.95  
MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200

### Small


Simulated Mini Assembly Level Language is an assembly language consisting of 20 easy-to-understand and use mnemonics (LDA, STA, REM, JSR, RTS, ADD, CMP, etc.). Small uses a fully intuition-driven interface for entering, running, editing and all other functions. The main screen simulates a calculator keyboard where all functions are selected by clicking on the appropriate buttons. On-Line help is available at any time via menu selections. AmigaDOS 2.0 compatible. \$19.95  
SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810

### Solar System (story diskette)

Another talking story for the Talking Storybook.

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# Education

| VISIONSOFT   |          |                       |      |     |
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| Vendor/Product Registration           |
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Children learn about the planets in the solar system through graphics, text, speech, sound, and music. \$29.95

*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

## SortMaster

This program provides discussion and illustration of the bubble, Replacement, Delayed Replacement, Shell, Heap, and Quick sorts. Textual material describing each sort may be displayed and a dynamic graphic representation of the data is updated continuously as the selected data is being sorted. On-screen graph displays efficiency of the various sorts as the number of items being sorted increases. AmigaDOS 2.0 compatible. \$19.95  
*Sterling Ware, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

## SpectrumFX™

Real time FFT and graphic spectrum analyzer. Has Fast Fourier Transform program that produces continuous dynamic real time bar graph display of harmonic spectrum of any audio or other source. FFT lets you specify peak meter decay rate, sample rate. Set for 8 up to 128 bands or more. Audio sample file and its harmonic spectrum changes over time can be graphed in 3-D visual surface relief. Can be plotted at different resolutions and points of view with custom elevation coloring. Plots histograms and various isometric projections. Import any sound IFF file. Export IFF interlace graphics. FFT requires audio digitizer. AmigaDOS 1.3/2.0 compatible. Hard drive installable. \$49.95  
*Pacific Digital FX, 6 Stetson Ave, Kentfield, CA 94904; (800) 800-2448*

## Voyager, The Dynamic Sky Simulator Version 1.1

Powerful astronomy program that simulates a planetarium on the Amiga, but with far more freedom, accuracy, and flexibility. Creates a dynamic sky of stars, planets, galaxies, and constellations. Its intuitive interface encourages playful exploration. Follow the changing positions of the planets, or witness the wonder of a total solar eclipse. Comes with a database of over 30,000 objects which can be extended to about 250,000 objects. Other new features include PAL, overscan, and pictures of astronomical objects displayed within program. Requires 1MB, two disk drives, AmigaDOS 1.3. AmigaDOS 2.0 and some features require additional RAM and hard disk. PAL, overscan, and pictures within program require 1MB Chip RAM and 1.5MB total RAM. Does not require math

coprocessor. \$124.95

*Carina Software, 830 Williams Street, San Leandro, CA 94577; (510) 352-7332*

## World Class Physics: Electromagnetism

Tutorial and self-study guide of electricity and magnetism. \$49.00

*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

## ◆ SOCIAL STUDIES ◆

### ED/SS

Social Studies Expansion Disk for Discovery politics, religion, population growth, and more. For grades 9 through 12. Requires Discovery program disk. \$19.95

*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

### ED/SS-909 Social Studies Vocabulary

SS-909 Helps students develop a useful vocabulary in the area of social studies. Social studies vocabulary is elementary level. Social studies vocabulary in farming, forest, desert, ocean, manufacturing, trading, and political fields. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### How a Bill Becomes a Law

The student becomes a Congressperson trying to get a bill passed in the U.S. Congress that would require a Jonathan apple to be included in every federally financed school lunch. The object is to accomplish this goal without jeopardizing the player's political career. The student must make decisions on moral and strategic issues and bargain for support. Seven possible outcomes enhance student understanding of political compromise and present the conflict of ethics versus political success. Requires 256K, 512K recommended. \$45.00

*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

### SS-950 Christopher Columbus

This year, Americans will mark the 500th anniversary of Columbus's first voyage to the New World. He was not trying to get there. Neither Columbus nor anyone else in the Old World knew it even existed. He thought he had reached China. This careful account will acquaint you with what is known about the basic facts of Columbus's life, including his three other voyages to what we now call the Americas. Includes on-screen maps that will show you where he went, and why. Two disks: NTSC and PAL. \$49.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### SS-961 Women in Ancient Africa (Book w/ Disk)

This interactive program uses both book and computer to explore the diversity of women's lives in historic Africa. It helps to dispel common stereotypes about the similarities of black African peoples—especially women. \$49.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## ◆ TEACHING AIDS ◆

### AU-901 CLAS Computerized Lesson Authoring System

For those who wish to create their own interactive teaching lessons, but have no programming skills. CLAS has the answer: Tell the Amiga what you want and let it write the program. CLAS lets you write imaginative programs that utilize all the Amiga's capabilities. You can use the digitized picture screens, add voice and music, and custom-design all your programs. CLAS contains English, German, Spanish, and French alphabets. NTSC and PAL. \$129.95

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

### Barney Bear Goes Camping

Barney Bear Goes Camping is a fun, educational, and learning game for children ages 2-6. The game is filled with graphics specially designed to interest young children. It includes a story, a maze game, connect-the-dots, shadow game, coloring book, the ability to create a slide show, and more. Requires 1MB. \$34.95

*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### Barney Bear Goes to School

Barney Bear Goes to School, a musical, colorful learning game for children ages 2-6, contains counting games, letter games, colors, shapes, and a coloring book program with over a dozen pictures. See CDTV section also. \$34.95

*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### Barney Bear Goes to Space

Barney Bear Goes to Space, a learning game for children ages 2-6, introduces the concepts of the planets, the sun, gravity, and space travel with stories, games, graphics, and animation. \$34.95

*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### Barney Bear Goes to the Farm

Barney Bear Goes to the Farm, a learning game for children ages 2-6, contains short 'I can read' stories, a scarecrow with interchangeable heads, torsos, and legs, a coloring book program, a 'What belongs' game, and of course, lots of graphics, sounds, and music. \$34.95

*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### Barney Bear Meets Santa Claus

Barney Bear Meets Santa Claus, a learning game for children 2-6 contains a memory game, a mix-up-the-parts toy machine, and a coloring book program. \$34.95

*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### EZ-Grade v1.2

EZ-Grade is a complete class management system for maintaining grades, attendance, student information, and more. View your data graphically and choose from a wide selection of printouts. Requires 1MB. \$59.95

*Integral Software, 9535 Wessex Place, Louisville, KY 40222; (502) 425-3948*

### Talking Turtle

Teach yourself LOGO! An introduction to Amiga LOGO for teachers and parents. No previous knowledge of LOGO is required with this step-by-step approach. You have the opportunity to experiment, and examples to study. Includes disk and manual with examples, suggestions for classroom activities, and avenues for further exploration. Develop problem solving skills of deductive reasoning, task analysis, and functional decomposition. Explore shapes, patterns, angles, fractals, headings, recursion, and coordinates. \$40.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

## ◆ TEST PREPARATION ◆

### Analogies I

Students will improve aptitude test scores as they learn how to analyze and solve analogies with a step-by-step approach. Package includes tutorial (step-by-step) and drill (remediation on all wrong answer) disks. \$65.00

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

### Analogies II

Designed to help prepare students for the analogies section of college aptitude tests. \$65.00

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

# Education

## College Aptitude Reading Comprehension Exercises

Excellent practice and training for all high-school or near high-school grade level readers. Also helps prepare for college aptitude tests. Three disks. \$65.00

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Language Expansion Disk for Discovery

Speech, grammar, vocabulary, communications, and much more. Prepare for SAT's. Requires Discovery program disk. \$19.95

*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Preparing for College Boards

Extensive tutorial for aptitude tests covering analogies, antonyms, reading comprehension, sentence completion. Requires 256K, 512K recommended. \$60.00

*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## Sentence Completion

Reading comprehension exercises help students improve scores on sentence completion items on college aptitude tests. The program provides numerous examples and practice exercises which strengthen the ability to solve sentence completion problems. \$34.95

*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430; (800) 232-2224*

## StudyWare for the GRE

Twenty-two different GRE topics will be covered with hundreds of on-screen questions, two StudyWare and two Cliffs Notes full-length exams, and complete on-screen explanations for correct and incorrect answers choices. Features include true math symbols, graphs, and hints on-screen. A handy on-screen glossary will be available with a keystroke or mouse click. For keeping track of your improvement, progress reports and charts that can be printed out can be generated at the end of each test. Requires A500, 2000, 2500, or 3000; two floppy drives or one floppy and a hard drive; 512K RAM; Workbench 1.3 or higher. \$49.95

*Cliffs Notes StudyWare Corporation, 48515 16th St., Lincoln, NE 68512; (402) 423-5050*

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*Cliffs Notes StudyWare Corporation, 48515 16th St., Lincoln, NE 68512; (402) 423-5050*

## ♦ TYPING ♦

## Mavis Beacon Teaches Typing

Want to learn how to type? We have the answer. Our award-winning program customizes the perfect typing course to your individual needs with the help of true Artificial Intelligence. You learn fast with the world's finest typing instructor at your side every time you practice. Mavis makes learning interesting and fun! With lessons and games that teach. \$49.95

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## ♦ MISCELLANEOUS ♦

## FASTFACTS Trio: The United States, The Solar System, & The Elements

United States: A United States map with point-and-click access to detailed information on all 50 states.

Also includes U.S. Constitution and Declaration of Independence. Solar System: A view of the solar system with point-and-click access to detailed information on the sun, asteroids, planets, and their moons. Element: A colorful periodic table with point-and-click access detailed information on each of the 106 elements. Soon to be shareware. \$15.00

*BTPSoftware (see also Jumpdisk), 3515 Race Lane Road, Okeana, OH 45053*

## Fun School 3

Fun School 3 for the Under 5s consists of six educational activities that help to develop many skills including number, shape, and word recognition. Your child can learn at his/her own pace. Beautifully created pictures, stunning animation, and exciting sounds make learning fun and effective. Three packages, each with a suite of six multilevel programs. Each program is aimed at different age groups: under five, five to seven years, and over seven. There are several levels of difficulty in each activity. A parent-teacher's guide is included. Also see CDTV section. \$49.95

*Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333*

## Fun School 5 to 7s

The five to seven pack follows the under 5s successful formula of six educational games, each with several levels of difficulty, covering all the children's favorite subjects. These help develop many skills including number and word skills at a child's own pace. The games are Toyshop, Electricity, Collect, Funtext, Time, and Journey. Beautifully created pictures, stunning animation, and exciting sounds will keep children coming back for more again and again. \$49.99

*Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333*

## Magical Myths

Three stories with graphics, glossary, and questions. Several games, mini-word processor. Ages 8-12, one to two players. Helps build important vocabulary and comprehension skills while learning about the wonders of the ancient Greek myths. Uses speech. \$39.95

*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119; (702) 597-0818*

## My Paint

A paint program just for kids! Offers children an easy, fun introduction to the Amiga by painting on the screen with the mouse. Features animated icon drawing tools, various brush types, an 'undo' function, and 28 pre-drawn pictures to color in, like an computerized coloring book! Each picture has a sampled sound to accompany it. 'Reveal Surprise Picture' mode lets any child draw a perfect picture or the child (or adult) can draw his or her own picture-perfect masterpiece. Designed for children, but fun for all ages! Requires 512K and one drive. \$49.95

*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

## SA Enhancer Kit

Those SA Host Adaptor owners who want to protect their investment will want this latest firmware/software revision for their controller. Kit includes version 34.8081 upgrade ROMs and the latest version software drivers. Instructions for installation included. For SA series Host Adaptor with ROM version number lower than 34.808, any version operating system. \$34.95

*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

## Trivia 1 Expansion Disk for Discovery

Trivia categories include Nobel Prize winners, sports, and famous quotes. Discovery program disk required. \$19.95

*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

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## Trivia 2 Expansion Disk for Discovery

Trivia categories include movies, space travel, and famous people. Discovery program disk required. \$19.95

*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## WallyWare Cryptograms

Based on the simple-substitution cipher, Cryptograms challenges players to decode short messages, often a witty or humorous quote from a famous person. Its unique word processor-like interface coupled with an array of menu functions create an ideal platform for creating or solving cryptograms. Supports ACA standards. PAL, NTSC, 1.3 and 2.0 compatible. \$39.95

*WallyWare, 1324 Parkwoods Terrace, Midwest City, OK 73110-7439; (405) 733-2768*

# Educate your Amiga



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Freely Redistributable Software (FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Business & Home Productivity

## ◆ BUSINESS & HOME PRODUCTIVITY GENERAL ◆

### ACE/Automated Catering Environment

ACE v3.0 comes with 140 professional catering recipes and also includes The Celebrity Cookbook, Vol.1. The program combines a smart database, word processing, and spreadsheet package in one program module. Recipes may be resized from one to 9,999 servings using both American and metric measures. The word processor database expands to the user's memory and can hold files over 100 pages in length. Features include wordwrap, margin settings, address or index card printing (labels), search/replace, margin settings, cut and paste and full disk search of file contents. ACE contains 16 expandable food groups and six expandable wine guides. It also includes on-disk instructions with multiple help screens, an import and export module, and the ability to print multiple copies, ingredient lists, stock summaries, address labels or index cards; stores one year of sales. Available for all Amiga systems. Requires 1MB. Also supports AmigaDOS 2.0. \$79.95  
**USA Media, 7810 Malcolm Road, Clinton, MD 20735; (301) 868-9060**

### Animations by Kati

Many titles are available from this remarkable Artist/Animator to add new life to your Special Event videos. Twenty floral motifs for your Intros, three Cocktail Hour, eight heart designs, twinkling stars, confetti, balloons, stained glass window, Star of David, Candle Lighting Ceremony, and 18 different locations animations for Honeymoons. All animations were created in hi-res eight or 16-color modes and may be played back using any standard Amiga ANIM player. Demo tape is available in VHS format for \$15. \$25 to \$75 each.  
**Mr. Hardware Computers, P.O. Box 148, C.I., NY 11722; (516) 234-8110**

### BarPro/A Version 3.0

Bar code printing and IFF image software for all Amiga systems. Generates images of bar coded data on a medium res screen in four different sizes. Screen image of bar code symbol can be printed with or without accompanying text; can be saved as IFF file with or without accompanying text for importation into Amiga paint and desktop publishing programs. BarPro/A prints Code39, Code39 Full ASCII, Code93, Code93 Full ASCII, Code25, Code25 Interleaved, Code128A, Code128B, Code128C, Codabar, and U.S. Postal Zip Code (Postnet), UPC-A, UPC-A+2, UPC-A+5, and UPC-E bar code symbologies. Postnet label lines can now be set either thick or thin to accommodate a wide range of printers. Full ARexx interface lets you print labels from databases and name/address labels with Zip Code bar code label. AmigaDOS 1.2, 1.3, 2.x, and 3.0 compatible. \$5.00 shipping in North America, \$8.00 abroad. \$199.95  
**MegagelM, 1903 Adrla, Santa Maria, CA 93454; (805) 349-1104**

### Business Card Maker

Puts you in charge of your business card. Easy to use; no special artistic ability required. Choose the Logo (Icon) that you want to use on your card from the many prestored Logos included with the program, or use the complete Icon maker to design your own. You can also select type style, size, and placement. Store hundreds of card designs for later use. Program supports many printers. Requires 512K and Kickstart 1.2 or higher.  
**Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (800) 468-7226**

### Charts&Graphs

Charts&Graphs provides the user with a weapon in the daily battle of communicating complex ideas. Gives the user access to over 45 different charts. There are curve fitting, error bars, line, column, bar, pie, and text charts. Charts can be combined to produce compound charts. Can be 2-D or 3-D. Import data from spreadsheets; output charts to preferences and PostScript printers. Save charts as PostScript and IFF files; import charts into Amiga DTP and word processing software. Automatically configures to NTSC/PAL screen. AmigaDOS 2.0 compatible. \$99.95  
**TRSL-Technical Resource Systems Laboratory, P.O. Box 94263, Las Vegas, NV 89193-4263; (702) 737-0880**

### DataEasy v1.4

DataEasy is a very easy-to-use Database program with a point and click user interface. Each record, out of a maximum of 32,766, must fit on a screen. DataEasy will dial the phone, speak the contents of a record, sort, print records and form letters, and even let the user redefine the database. Each field can be several lines long. Both random access and sequential database files are supported. The price includes AmigaBASIC Source Code. Requires 512K RAM, 1 disk drive, AmigaDOS 1.3. NTSC only. AmigaDOS 2.0 compatible. \$12.00  
**Bytes and Bullets, Route 3, Box 3532, Manchester, TN 37355; (615) 596-2077**

### Flow 3

Idea processor. Let your ideas flow without restriction with this ingenious program designed to keep them organized. Flow lets anyone design and describe their creative efforts like never before. With a built-in outline to give you major headings, multiple layers of subheads, and more, you can concentrate on your project and let Flow do the formatting. \$110.00  
**New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746; (512) 328-6650**

### Freelance Escort v1.1

Designed for animators, writers, photographers, artists, video editors, consultants, and anyone else who sells their services. A complete management system which keeps track of client's needs, interests, appointments, special requests, payments made, and balances due. Completely integrated system creates and prints job contracts, customer receipts, sales tax reports. Jobs may be entered using both hourly or flat rate options. Tracking form prioritizes jobs, allowing user to view their status at a glance. All information of a variable nature such as company data, job pricing, and taxes can be modified by the end user. Requires 1MB RAM and hard drive. Superbase Professional 3.02 and Superbase 4 versions available. AmigaDOS 2.0 compatible. Demo available. \$99.95  
**Mr. Hardware Computers, P.O. Box 148, C.I., NY 11722; (516) 234-8110**

### Gold Disk Office

A collection of five full-featured business applications that turn your Amiga into an integrated, easy-to-use, and highly productive office. The Office includes a word processor, database manager, desktop publishing program, spreadsheet, and business graphics program. In addition, the Gold Disk Office makes full use of Amiga multitasking, ARexx, and compatible file formats to provide a high level of integration and synergistic cooperation between programs. \$199.95  
**Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000**

### Housemate 2.0

All-in-one home productivity software. Features

seven programs: Checkbook accounting and management; fully user-configurable phone-address database with built-in templates for coin/stamp/comic book and videotape collections; recipe filer with size adjustment and US/metric conversion utility; grocery list maker with coupon tabbing and analysis; complete home budget system with loan analysis; complete home inventory program; disk utility manager. \$27.95  
**Airscope Software, 12162 SW Scholls Fy. Rd., #194, Tigard, OR 97223; (800) 497-3998**

### HyperBook

An application generator that simplifies the process of creating, developing, and using personal and business applications, as well as presentations and interactive learning 'books'. Text, graphics, pictures (IFF), and scrollable lists are quickly created and positioned on 'pages' that can be linked to other pages to make a 'book'. Ease-of-use and power make HyperBook a powerful tool for home, education, and business applications. \$99.95  
**Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000**

### InfoFile v1.2

Database program that can store and organize graphics and digital sound samples in addition to text and numerical data. Requires 512K, any Amiga model, and is Workbench 2.0 compatible. English, French, German, Italian, Norwegian, Swedish, Spanish, Danish, Dutch, Finnish; NTSC and PAL available. Uses foreign keymaps. Australian users see Australian address in Vendor Information. \$69.95  
**Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600**

### Inventory

This inventory management program is intended for people who want to keep track of things, where they are, how much they cost, when to reorder, and so forth. It is used in a multitude of different settings: in restaurants, aircraft assembly factories, liquor stores, component manufacturers, and so forth. The program has modules which keep track of the orders and sales. When parts are received, the inventory is automatically updated. Similarly when something is sold, the appropriate item or items are removed from inventory. All updates show dates of the present update and of the last previous update. This program allows you to keep track of what is going on, hour by hour, where things are, where they are coming from, and where they are going. It's a simple common sense aid to efficient business practice. \$145.00  
**Lionheart Press, Inc., P.O. Box 4056, Allentown, PA 18105; (514) 933-4918**

### LPCalc

The Linear Programming Calculator is more than just a powerful number-crunching package. It's a high performance business planning program suited to both small and large companies. Uses window-type interface that has look and feel of spreadsheet, but behaves like a command-driven interface. LPCalc is easy to use—just load a financial or manufacturing template, enter your data, and generate reports. NTSC/PAL. \$49.95  
**Solid Gold Software, 118 Parkway Drive, Arlington Park, Huntington, WV 25705; (304) 525-1697**

### Mail-O-Dex Professional

A Rolodex, mail-merge manager, speed dialer, and label printer which directly supports most word processors. This version 3 now supports Iconify, multiple print styles, envelope printing, keyboard shortcuts, import/export capabilities, and much

# Business & Home Productivity

more. Workbench 2.0 compatible. \$39.95  
KarmaSoft, P.O. Box 1034, Golden, CO 80402-1034; (303) 490-2939

## MailBase Escort v1.0

A mailing list database which is specifically designed for merging multiple mailing lists into one list. It checks for duplication while importing, but it can also check your existing list for duplication at any time. Unique numbers are assigned to all list entries for subscription use. Will print mailing labels by any number of criteria including state, date, zip code, source file, or alphabetical section. Dot matrix or laser printers are supported. Requires Superbase 4, 1MB RAM and hard drive. AmigaDOS 2.0 compatible. \$199.95  
Mr. Hardware Computers, P.O. Box 148, C.I., NY 11722; (516) 234-8110

## Main-A-TRACK-tion

This program is not for you unless your bottom line profitability is your main attraction. Every item of inventory, every sale, every customer, every distributor and every cashier are tracked. Transactions at the point of sale are tracked and cross posted to all relevant data bases as they occur. This allows instant managerial access to report functions at any time of the day for any period you specify. The extensive reporting functions include printouts for inventory, cashier performance, customer history, gross profit and sales tax liability. All operators have an E-mail address for exchanging inter-office memos. For those who operate a service department, the service section tracks status of work and attaches the equipment and repairs to the customer file. All access levels are password protected. Cash drawer standard. AmigaDOS 2.X and 3.0 compatible. Demo available. Complete hardware/software packages available. \$199.00  
Video Computer Resources, Inc., 1200 N. Battlefield Blvd., Suite 110-111, Chesapeake, VA 23320; (804) 436-9508

## Mini Office

This home business package consists of five modules: wordprocessor, spreadsheet, database, graphics, and disk utilities, all totally integrated. Cleverly designed icon system which is common to wordprocessor, database, and spreadsheet gives ease of use which belies its capabilities. Requires 1MB, can read Amiga IFF files, NTSC/PAL.  
Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333

## NoteBook v1.10

Provides complete notebook capabilities: Text, vects, ellipse, lines, polygons, pages, tabs, IFF output, object-oriented drawing. Unique and useful tool for day to day jobs. Runs on any Amiga model, requires AmigaDOS 1.3 or 2.0. NTSC/PAL. \$29.95  
Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230; (800) 852-6442

## Personal Finance Manager

Personal Finance Manager provides an easy-to-use way of looking after your bank account, building society account, credit cards, etc. Its WorkBench interface allows transactions to be entered or altered as easily as filling out a form. The number of entries is limited only by the size of the memory. Account entries are automatically placed in date order. Features include auto balancing against statement, movable and re-sizeable windows, account print option, and more. Graphic analysis includes balance plot, budget comparison, and spend pie charts. \$19.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946

## Personal Finance Manager Plus

Packed with new features, improvements, and enhancements, all designed to give you better control over your money. Multiple account with auto transfer, graph of trend plotting, increased budget handling, full printer report formatting, desktop calculator, extensive user-configurable options. From MicroDeal. \$49.95, \$39.95. \$49.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946

## Personal Information Manager

Use your Amiga to deal with all the countless pieces of random information such as lists, plans, notes, contacts, actions, ideas, schedules, finances, zip codes, area codes, addresses, client profiles, and much more! You don't need to be a programmer to use this personal information manager! You can easily plan projects and events, build a knowledge base and a database to hold all the information you can think of in the structure you choose. Requires 1MB RAM, hard drive, AmigaDOS 2.0 or 1.3. \$159.95  
Unique Design Software, P.O. Box 641, Shirley, NY 11967; (516) 281-1530

## Personal Video Librarian

Comprehensive video collection management system. Menu-driven, easy-to-use screens, fast, flexible retrieval, online help, powerful report writer, user-defined fields, notes. Retrieve by any field or combination thereof. User-definable categories. Custom-design your own reports and labels or use those included with PVL. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$75.00  
Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037; (404) 242-0887

## Retail Escort v2.1

Complete point-of-sale system featuring customer database, supplier database, inventory control with stock balancing, order tracking with backorder function, mailing label printing, invoicing, and price quoting function. Easy-to-use point and click interface allows the user to quickly complete a transaction with minimal effort. Inventory control system includes the ability to mark up items by percentage according to type with instant profit feedback, date stamp, and order point. Includes categorized price list creation function. Reports include sales tax reports, incoming COD's cash, check, or all, restock order list, supplier list, and more. Three levels of password protection prevent unauthorized use. All information of a variable nature such as company data, item types, percentages, pricing, and taxes can be modified by the end user. Requires Superbase 4, 1MB RAM and hard drive. Cash drawer and Canadian Tax version available. AmigaDOS 2.0 compatible. Demo available. \$499.95  
Mr. Hardware Computers, P.O. Box 148, C.I., NY 11722; (516) 234-8110

## Secretary

Designed for everyone who wants more control over his or her time and life with functions that help organize activities. The program provides an 'at a glance' four-week schedule to do, follow-up, and reminder entries. You can search historical and future entries. The package also provides a full-featured phone/name and address capability including a 'quick index look-up' feature and ability to create mailing labels. Printout of weekly schedules and phone/address lists is also included. \$49.95  
Expert Services, 5912 Centennial Circle, Florence, KY 41042; (606) 371-9690

## The Disk Labeler

The Disk Labeler allows the user to print customized labels for 3.5-inch diskettes, and utilizes the features and fonts of the users particular printer. It also creates and maintains a catalog of all disks that have been labeled. \$39.95  
Software Technology, Inc., P.O. Box 22066, or 10610 S.E. McLoughlin, Portland, OR 97222; (503) 653-2090

## Video Escort v2.0

Video Escort was designed specifically for Special Event Videographers. A complete management system which keeps track of client's needs, interests, appointments, special requests, response to last call, initial deposits, payments made, and balances due. Completely integrated system cre-

ates and prints job contracts, customer receipts, and more than 20 reports including a sales tax report. Stores and prints unlimited tape, music, and graphic libraries. All information of a variable nature such as company data, job pricing, and tax rates can be modified by the end user. Requires 1MB RAM and hard drive. Superbase Professional 3.02 and Superbase 4 versions available. AmigaDOS 2.0 compatible. Demo available. \$299.95  
Mr. Hardware Computers, P.O. Box 148, C.I., NY 11722; (516) 234-8110

## Who! What! When! Where!

This desktop organizer keeps track of people, places, and things to do. Remind options include voice, screen flash, sound effects, or a bell. Supports ARexx. Prints out addresses, phone numbers, schedules, a calendar, and mailing labels. Includes a phone directory, appointment book, things-to-do-list, calendar, notepad, autodialer, and alarm clock. Allows cross-referencing and 14 different owners with the ability to share among them. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$99.95  
Blue Ribbon Sound Works Ltd., The Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212

## ◆ ACCOUNTING ◆

### Accounts Payable

Helps manage and track cash liabilities. Posts payments to general ledger or check ledger. \$99.00  
Computerware, 4403 Manchester Ave., Ste 101, Encinitas, CA 92024; (619) 436-3512

### Accounts Receivable

Indicates overdue accounts, records key customer information, tracks invoices, and prints statements automatically. \$99.00  
Computerware, 4403 Manchester Ave., Ste 101, Encinitas, CA 92024; (619) 436-3512

### B.E.S.T. Business Management V3.0

An easy-to-use, fully integrated business management and accounting system. Contains general ledger, accounts payable, inventory management, and services management. All purchasing, receiving, order processing, invoicing, and payment entry is provided through an easy-to-use Business Function process. Many standard reports are included in inventory management, services management, accounts receivable, and accounts payable. Custom reporting is available in the general ledger, inventory management, and accounts payable. Customer statements, purchase orders, invoices, and checks are prepared quickly and easily on professional-quality business forms. \$199.95  
Software Technology, Inc., P.O. Box 22066, or 10610 S.E. McLoughlin, Portland, OR 97222; (503) 653-2090

### B.E.S.T. General Ledger

This stand-alone general ledger contains all the features of the integrated B.E.S.T. Business Management General Ledger including a three-year history, transaction entry, and editing, audit trail reports, journal listings, custom financial reporting, and easy end-of-month closing. Completely compatible with the fully-integrated B.E.S.T. Business Management for future upgrade purposes. \$79.95  
Software Technology, Inc., P.O. Box 22066, or 10610 S.E. McLoughlin, Portland, OR 97222; (503) 653-2090

### Budgeteer

A practical, low-cost budget preparation package designed for home and small business use. Features an easy-to-learn interface that uses the Amiga mouse, menu, and windowing environment to record actual and budgeted monthly expenses and credits. Data can be presented in tables, pie charts, or one of 36 bar charts, all of which can be output to any of the printers supported in Preferences. Requires 512K RAM. Not copy-protected. \$39.95  
Prakticon, Inc., 1729 B Lamoureux Drive, Orleans, Ontario, Canada K1E 2N3; (613) 834-9349

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Business & Home Productivity

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## Business Front

Complete business accounting program features General Ledger (GL), Accounts Receivable (AR), and Accounts Payable (AP). GL has user-definable chart of accounts, sub-account numbers for job costing, more. AR has alphanumeric customer numbers, automatic interest calculations for overdue accounts, more. AP has alphanumeric vendor numbers, complete aging reports, bills due reports, more. System features: modularized programs, 32,500 records per file, periodic and fiscal compaction, password protection. Requires A500/2000/3000 with 1MB. \$129.00

*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

## Check Ledger

Single-entry bookkeeping system for small business or personal use. \$99.00

*Computerware, 4403 Manchester Ave., Ste 101, Encinitas, CA 92024; (619) 436-3512*

## DAY-2-DAY Professional

Networkable order-entry/point-of-sale and customer database system with advanced accounts payable functions, inventory, perpetual sales tracking, and salesperson commission computations. Ideal for retail, wholesale, or manufacturing businesses. Integrates with the Accountant, General Ledger, and payroll systems. AmigaDOS release 2 compatible. Requires hard drive and 1MB chip RAM. \$695.00

*KFS Software, Inc., P. O. Box 897, Corning, CA 96021; (916) 824-2944*

## Desktop Budget

A personal finance management program for every budgeting concern handled in an icon-based manner. Assists in setting up monthly payments, automatically performs month-end reconciliations, and year-end roll-overs. Program contains useful full-function calculator and personal icon editor. \$69.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## General Inventory System

Keeps track of inventory levels and reorder list. Identify fast and slow movers, seasonal trends. Four cost levels; automatic sale flags, and multiple vendors. \$99.00

*Computerware, 4403 Manchester Ave., Ste 101, Encinitas, CA 92024; (619) 436-3512*

## General Ledger

Comprehensive double-entry system. Includes audit trails, closing procedures, and full reporting. \$99.00

*Computerware, 4403 Manchester Ave., Ste 101, Encinitas, CA 92024; (619) 436-3512*

## Home Accounts 2

Home or small business accounts package. Handles unlimited accounts, transactions, analysis. Full graphics, auto transactions, loan calculation, net worth reports, and much more. Requires 0.5MB, one drive, Workbench 1.2 or later. \$75.00

*Digitia International Ltd., Black Horse House, Exmouth Devon, EX8 1JL England; 011-44-395-270-273*

## Keep-Trak General Ledger

Record-keeping system for home or business use. It has many other features. \$49.99

*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

## Payroll

Accommodates all pay types and pay periods. Includes federal and state tax reporting, quarterly, tax statements, W-2's, paychecks, and cost accounting. \$125.00

*Computerware, 4403 Manchester Ave., Ste 101, Encinitas, CA 92024; (619) 436-3512*

## Point-of-Sale Inventory

Includes an integrated sales order entry and invoicing feature for customer sales, tax-reporting, and

profitability analysis. Post customer invoices to the accounts receivable module automatically. \$295.00

*Computerware, 4403 Manchester Ave., Ste 101, Encinitas, CA 92024; (619) 436-3512*

## Positive!

Positive! is a point-of-sale system for the antique/craft malls and art galleries. The cash register portion allows for tax exempt and regular sales, discounts, different payment types and prints register receipts. It keeps track of sales by vendor, deals with commissions, charge card fees, miscellaneous fees and sales tax owed. Prints both sales reports and checks for each vendor upon request. Requires any Amiga running 2.04+, 1MB and harddrive. \$199.95

*Digital Arts-KC Enterprises Ltd., P.O. Box 5206, Bloomington, IN 47407; (812) 330-0124*

## Service Industry Accounting Rev. B-4

Fully integrated accounting system incorporating General Ledger, Customer's, Vendor's, Inventory, and Job Cost/Billing. Automatically updates associated modules and General Ledger control accounts. Job Costing module can make estimates and convert them directly into invoices. NTSC/PAL. Requires A2000, Fat Agnus, at least 1MB, one floppy or hard disk, Workbench 1.3 or higher. \$200.00

*Sybiz, 39210 State St, Ste 120, Fremont, CA 94538; (510) 713-6742*

## The Accountant 2.0

Complete, integrated, accounting system with payroll, inventory, A/R, A/P, and general ledger including a general journal and 10 check registers. Four different point-of-sale options include an invoice writer, cash register system, and recurrent billings. Over 50 reports available. AmigaDOS release 2 compatible. \$299.50

*KFS Software, Inc., P. O. Box 897, Corning, CA 96021; (916) 824-2944*

## The Booking Agent 2.0

For the talent agency that wants to save time and money by eliminating manual record keeping and costly errors (like double bookings and no-shows). The Booking Agent automates scheduling and accounting for up to 400 acts. Contracts are printed at the time of posting as well as on a daily posting sheet. Agents can search by date for open acts and print reports including schedules, income, unsigned contracts, unpaid commissions, deposits, confirmation notices, etc. Multiuser network version available. Requires Workbench 2.0. \$499.00

*Bigfoot Software, 912 Karl Street, Green Bay, WI 54301-2225; (414) 435-4500*

## ♦ DATABASES ♦

### ARexxDB v2.0

New version of this universal database records manager for applications with ARexx compatibility. ARexxDB is for the developer and the serious Amiga user. The many new features include: functions which search for records using AmigaDOS 2.0 pattern matching, a utility for setting up files, automated indexing, and a new query language. Requires 512K RAM, 1MB and hard disk recommended. AmigaDOS 1.3/2.0 compatible. Price: \$125. Developer quantity discounts available. \$125.00

*JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369; (612) 424-5464*

### Address It!

Address It! is an easy to use personal information manager. It can store up to 5000 names and addresses per file, including comments, three phone numbers, birthday, and user defined field. Through powerful search and tagging facilities, you can categorize people in up to 15 separate fields and print custom lists with just the people you want in them. You can print roster lists, envelopes, labels, rotary cards, and address books. It supports all preferences printers, and has special support for PCL printers such as HP LaserJet and HP Inkjet and other compatibles. Address It! will integrate with both ProWrite and Wordperfect, creating mail

merge lists automatically. Works with as little as 512K and is 1.2, 1.3, and 2.0 compatible. \$39.95

*Legendary Design Technologies, 25 Frontenac Ave, Brantford, Ontario N3R 3B7, Canada; (519) 753-6120*

### Contact 2.0

Personal contacts manager for Commodore Amiga. Dials phone, prints labels—including to PostScript; can send name/address to active document window. Non-printing comments can be included. Batch print option for printing chosen subset of mailing labels in up to four columns. Can print labels for one or all records. User can tag any text in an individual record as the sort key for that record. Supports Amiga clipboard. Demonstration disk available. Compact, memory-resident, hotkey-activated. ARexx port and example scripts provided as well as menu option to launch ARexx scripts from within Contact. New edit note facility for attaching notes to a record. Version 2.0 includes CalcKey memory-resident calculator with memory functions, square root and boolean functions, binary, octal, decimal, hexadecimal modes. Distributed by Consultron in North America. \$89.00

*Desktop Utilities, North American dist: Consultron, P.O. Box 3053, Manuka, ACT 2603, Australia; (011) 616-239-6658*

### Designer Databases-Business I

Ready-to-use database. Simply load using Microfiche Filer or Microfiche Filer Plus and begin entering your data. Professionally designed, commercial quality databases come with complete data definitions and forms for editing and printing. Record inventory, billing, important dates, expenses, employee records, and mail merge. \$59.00

*Software Visions, Inc., 12625 La Tortola, San Diego, CA 92129-3069; (619) 538-6263*

### Designer Databases-Home I

Ready-to-use database. Simply load using Microfiche Filer or Microfiche Filer Plus and begin entering your data. Professionally designed, commercial-quality databases come with complete data definitions and forms for editing and printing. Record videotapes, CD's, records, stamps, coins, wines, and Fred Fish Disks (1000 public domain programs catalogued). \$39.00

*Software Visions, Inc., 12625 La Tortola, San Diego, CA 92129-3069; (619) 538-6263*

### LabelDext v1.5

Now features VideoLibrarian to catalog your videos and print both spline and face VHS and audio cassette labels. Integrated mailing database/labeling program. Organizes mailing lists and floppy libraries. Prints a large variety of standard and custom labels. ARexx and dBase compatible. Searches, sorts, and serves as phone dialer. Supported printers include LaserJet, DeskJet, PostScript, and Epson. Use as ARexx script editor/terminal for remote control of other ARexx compatible programs. Requires 1MB. \$74.95

*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803; (205) 881-6297*

### Microfiche Filer

Award winning database useful for home and business record keeping. Also has powerful graphic storage capabilities. \$99.00

*Software Visions, Inc., 12625 La Tortola, San Diego, CA 92129-3069; (619) 538-6263*

### Microfiche Filer Plus

File manager includes full programmer interface using ARexx. Thirty-three powerful new commands allow database access from any ARexx macro. Automatic field calculations, HAM picture storage, database programming, direct control over other applications, dynamic data import, and export with ARexx-compatible applications. \$179.00

*Software Visions, Inc., 12625 La Tortola, San Diego, CA 92129-3069; (619) 538-6263*

### Omega File Data Base-Mail Merge

Mail-merge database for check registers, invoicing, inventory, etc. \$79.99

*Other Guys, The, 297 E. 200 N., P.O. Box H,*

# Business & Home Productivity

Logan, UT 84323; (801) 753-7620

## Record Manager Information Base V1.4

Information storage and retrieval system. Easy to use, multiple sorts: search by criteria, print by criteria; mailing labels one or two across, number records limited by disk space. NTSC/PAL. \$49.95  
*HC Software Pty Ltd, PO Box 782, Prospect East, S.A., Australia 5082; (011) 618-262-4461*

## SBase Personal 4

SBase Personal 4 improves upon the Superbase Personal series with several added features including: query across relationships between multiple files; save, load, and edit file-update, file-query and mail label programs; report from multiple files with multiple sort levels. AmigaDOS 2.0 compatible. Requires Workbench 1.3 or higher. \$149.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
**Please see display ad page 171.**

## Superbase Personal 2

Superbase Personal 2 is an easy-to-use 'relational' data manager for organizing, storing, retrieving, and reporting on information from multiple data tables—all without programming. Useful features include a text editor, mailmerge and telecommunications facilities, VCR-style browsing buttons, relational data entry, and the ability to link and retrieve external text, graphic, and sound files. Superbase Personal 2 has many of the features found in Oxxi's popular Superbase Professional 4 programmable relational database management system. \$149.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
**Please see display ad page 171.**

## Superbase Professional 4 v1.2

Forms design, application development and relational database is the first new Amiga version of the Superbase technology since 1988, and includes major enhancements in form design, database definition, programming, performance, and documentation. Developed from Precision's Superbase 4 for Microsoft Windows 3.0, Superbase Professional 4 files support one billion records, new data types and attributes, 4,000 character text fields, logical fields, and PCX and GIF image formats, and can store and play sound samples as data. Import/export formats include DBF (dBASE), WKS (Lotus 1-2-3), and XLS (Microsoft Excel). It can also directly read dBASE DBF data and output from existing dBASE databases without conversions. New features include improved network operations which allow up to 32,000 concurrent users to access database files; SQL server support added; additional image formats and more display and printing options; increases speed; increased flexibility. \$299.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

**Please see display ad page 171.**

## Winston Cup Trading Cards Database Template

Template for Superbase Pro 4. To keep record of the Maxx racing cards (Winston Cup series). \$9.95  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90707-0316*

## dbMAN V

This is a dBASE III Plus-compatible relational database management system which allows most dBASE applications from PC DOS to run with no change on Amiga. Applications written in dbMAN V are fully portable over 100 platforms, including: PC DOS, LAN, UNIX, XENIX, AIX, Sun, DEC, A/UX, and mainframes. Includes scrollable windows, menus, UDFs, multi-dimensional arrays, data encryption, and password protection at field level, and more. AmigaDOS 2.0 compatible. \$350.00  
*VersaSoft Corporation, 4340 Almaden Expressway, Ste. 110, San Jose, CA 95118; (408) 723-9044*

## ◆ FINANCE ◆

### AMT

Amortization and cost evaluation. \$39.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

## Home Front 2.5

The home finance and management program for the Amiga. Features include check and graph printing, auto transactions, auto data backup, data export, a brand new graphic interface, easy hard disk installation program, and more. Home Front can handle up to 99 accounts, 1000 categories, and over 32,500 transactions before compacting. Ideal for small businesses. \$99.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321; (801) 753-4947*

## Investors Companion

An investment portfolio program for keeping track of the total value of your investments from date of acquisition to date of sale. Requires Software Advantage's Investor's Advantage 2.1. \$99.00  
*Bigfoot Software, 912 Karl Street, Green Bay, WI 54301-2225; (414) 435-4500*

## Investor's Advantage 2.0

Investment analysis tool for stock selection and market timing. Chart stocks, mutual funds, market indices, commodities, and options. Utilize Individual Equity Studies and General Market indicators. Automatic downloading capabilities built in. Use the relative strength report to pick the best performers. Time your market entries and exits using the market barometers. \$399.95  
*Software Advantage Consulting Corporation, 38442 Gail Street, Clinton Township, MI 48036; (313) 463-4995*

## Money Mentor

Money Mentor harnesses the power of the Amiga to compute and graph clear reports of your financial situation. Money Mentor has a unique system called Smart Scrolls, which studies previous transactions and remembers details about them. Budget System: 200 categories/Transaction System. \$95.95  
*Sedona Software, 11828 Rancho Bernardo Road, San Diego, CA 92128; (619) 451-0151*

## PHASAR 4.0

Single-entry personal financial manager and organizer manages anyone's financial needs. Interactive accounts track and record personal revenue and expenses. Displays tax liability at any time, prepares individual tax forms and returns, contains address organizer, desktop diary, and appointment calendar. AI parser predicts input. Also features custom check printing, 130 income/expense categories, formatted reports, and more. Handles more accounts than version 3.0. \$89.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## TaxBreak '92

Easy-to-use federal personal tax preparation program with on-screen representation of forms and schedules, fast recalculation, constant updating of refund status, pop-up calculator, on-line IRS booklet, plus many more useful features. (Formerly dataTax.) Requires 1MB RAM. \$79.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
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## ◆ FORMS ◆

## ADDDesign Layout & Forms Templates, Vol. 1

Collection of extremely detailed templates for use with PageStream 2.x. Some are clean and versatile, others are complex and specific; all save you hours of work. Use for calendars, invoices, resumes, much more. \$44.95  
*ADDDesign, PO Box 8543, Warwick, RI 02888; (401) 467-5566*

## Producer's Survival Kit™ Professional Video Forms Booklet

Extremely helpful to the proper organization and operation of your video production business. These forms help you to: Keep all communications clear, Document your work, Preplan any project, Estimate a budget. Includes: Client interview worksheet, Treatment worksheet, Project feasibility checklist, Production budget sheet, Production contract, Content, Qualification worksheet, Script content commitment form, Storyboard page, Shotlist, Location survey, Call sheet, Field footage log, Releases, Edit decision list. First edition. \$139.00  
*Video Technical Group, 7 River Bend, POB 515, Jasper, AR 72641; (501) 446-5120*

mate a budget. Includes: Client interview worksheet, Treatment worksheet, Project feasibility checklist, Production budget sheet, Production contract, Content, Qualification worksheet, Script content commitment form, Storyboard page, Shotlist, Location survey, Call sheet, Field footage log, Releases, Edit decision list. First edition. \$139.00  
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## Top Form II

Design and print professional-looking forms for use at office or home. Import text or merge text files with forms. Fill in forms from the computer, or print first and fill in later. True print, not a graphics dump, so forms look clear and crisp. \$99.00  
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## ◆ INTEGRATED ◆

## Home Office Advantage

The Advantage is a powerful, integrated spreadsheet, database, and graphics package. The program includes all of the standard features of spreadsheets plus automatic recalculation, user-definable functions, and an extensive library of statistical, financial and scientific functions. The Advantage fully supports AREXX. As well, the program effortlessly creates structured 2-D and 3-D charts and graphs that may be imported into Professional Page and Professional Draw retaining all color and fill pattern information. The charts and graphs can also be saved as bitmaps for use with any Amiga program supporting the IFF standard. \$199.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## The Works! Platinum Edition

The Works! plus two. Upgraded version includes word processing, telecommunications, database, and spreadsheet modules, and sideways printing utility. Programs use common interface, one box, easy-to-use manual, and three non-copy-protected disks. One user-friendly manual, free technical support for registered users. Cut, copy, and paste between all modules. Available for PAL. AmigaDOS 2.0 compatible. \$99.95

*Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414; (407) 790-0770*

## WordPerfect Library for Amiga

Features desktop accessories and productivity tools designed to increase efficiency and organization for Amiga users. Includes Notebook, Calendar, Calculator, File Manager, and Program Editor. \$29.95

*WordPerfect, 1555 N. Technology Way, Orem, UT 84057; (800) 451-5151*

## ◆ SPREADSHEETS ◆

### Haicalc

Full utilization of the Amiga Intuition user interface with economical use of memory. Multitasking, multi-windowing, multiple fonts and styles. Maximum spreadsheet size of 9,000 x 9,000. Simple operation, color graphics, and more. All data files created with icons to allow the user to manipulate both worksheet and text files under workbench. All commands accessible from the menu. \$39.95  
*Haitec Resources, P.O. Box 20609, Charleston, SC 29413-0609; (803) 881-7518*

## Maxiplan 4

Full-featured integrated spreadsheet/database program. Compatible with files from the popular Lotus 1-2-3 program, Maxiplan 4 provides the user with an integrated set of tools to store text and numerical data, perform analysis, and calculations based on that data, and display the results graphically in more than 100 different chart styles. Over 70 built-in spreadsheet functions for performing a broad array of scientific, statistical, and financial operations. One 3.5-inch diskette, 1MB of memory and two disk drives recommended. Workbench 2.0

### Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Business & Home Productivity

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

compatible. Australian users see Australian address in Vendor Information. \$149.95  
*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

## Superplan

Use the advantages of the Amiga for powerful spreadsheet operations. Pull-down menus, on-screen functions buttons or standard slash commands. Superplan's ARexx support allows for free exchange of data with other programs. Fully integrates with Superbase Professional. Spreadsheet dimensions stretch to 2048 rows by 1024 columns. Also provides full color output to a wide range of printers and plotters. \$149.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

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## ◆ SPREADSHEET/UTILITIES ◆

### Templicity™2.0

Consists of 100 ready-made spreadsheet templates for a wide range of personal and business needs. Each template can be used as is for immediate results, or as a starting point for creating your own unique applications. Templates for 1991 taxes are included, with interactive forms 1040, A, B, C, D, E, F, SE, 2441, and 4562. Taxes are upgraded each year for 5.00. The collection also has templates for personal finance, home office, real estate, advertising, management, sales, budgets, accounting, and household applications. Available for Analyze!, Maxiplan, Superplan, and VIP Professional. \$39.95  
*Sterling Connection, The, P.O. Box 4850, Berkeley, CA 94704; (707) 823-5500*

## ◆ STATISTICAL ANALYSIS ◆

### Business Statistics

Contains the statistical tools most likely to be used in a business setting. Coverage similar to that of Experimental Statistics, but with a concentration on experiments most applicable in a business ambience, 2K factorials, and fractional factorials. \$145.00  
*Lionheart Press, Inc., P.O. Box 4056, Allentown, PA 18105; (514) 933-4918*

### GLIM

Flexible, interactive statistical package developed by Royal Statistical Society, London, England. Designed for use in generalized linear modeling, vector calculations, data exploration, teaching, etc. GLIM operates as powerful command language offering extensive data manipulation; sorting, editing, and calculation functions. Includes library of fully tested and supported macros; facility for users to add their own FORTRAN routines. Summary statistics, tables, histograms, and data plots are easily produced. \$516.00

*Numerical Algorithms Group, 1400 Opus Place, Ste 200, Downer's Grove, IL 60515-5702; (708) 971-2337*

### Marketing Statistics

Includes data collection and sampling, tabulation and analysis of questionnaire data, forecasting procedures, and more. Discusses market research experiments and provides programs to analyze variance of experimental data. Covers association techniques in detail, correlation analysis, multivariate analysis, factor analysis, residual analysis, principal component analysis, and more. Marketing techniques cover forecasting procedures and market auditing; critical path analysis helps prepare marketing plan. \$145.00

*Lionheart Press, Inc., P.O. Box 4056, Allentown, PA 18105; (514) 933-4918*

### P-Stat

An interactive statistical data analysis package. Designed for marketing research and academic situations, P-Stat offers over 50 statistical functions and 25 graph types, including animated charts. Processing power is limited only by system RAM. Features include principal component analysis, factor analysis, tabulation techniques, one- and two-way analysis of variance, regression, and functions of specific value to market researchers: cluster analysis and multidimensional scaling. Price TBA.

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

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## Parameter and Tolerance Design

One of the most recent and most powerful techniques for optimization in engineering and technology is the application of statistical techniques to the problem of parameter and tolerance design. The techniques using orthogonal arrays were originally developed by G. Taguchi in a quality-control context, but a much more broader application was found. The type of problem that the technique addresses is the one of optimizing a preliminary design. After a design for a device has been prepared by specialists, it is always necessary to optimize that design, that is, to find out which of the many design parameters have the most important effect of the overall performance and reliability of the device. Similarly, production and maintenance costs can be optimized by determining which components have the greatest effect on lifetime and on failure or deterioration. There is no point, for example, in specifying high price materials for non-critical components. The optimization can be carried out by experiment or by computer simulation of experiment. The text gives a clear description of the procedures, with examples, and the programs allow a professional approach to application of the techniques. \$145.00  
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## Quality Control and Industrial Experiments

Thorough coverage of the standard quality-control methods. All popular types of quality-control charts have been implemented, with constant and variable sizes and chart presentations conform to ASQC standards. Discusses statistical background of statistical quality control and all information related to chart preparation. Includes large section on the analysis of variance and experiment design. Topics and software cover traditional and more sophisticated quality-control methods. \$145.00  
*Lionheart Press, Inc., P.O. Box 4056, Allentown, PA 18105; (514) 933-4918*

## Sales and Market Forecasting

Attacks the problem of how to make a forecast, and what to do with it once it has been made. Prepares demand analysis and generates a company time-series. Covers relating company time-series to more general business and economic time-series, developing forecast, and preparing a market audit from material generated in forecasting. Provides sources of business data and extensive base of about 50 yearly and monthly time-series obtained from U.S. Department of Commerce publications. Includes examples. \$145.00

*Lionheart Press, Inc., P.O. Box 4056, Allentown, PA 18105; (514) 933-4918*

### Statpack

An introductory statistical analysis system with GUI. It handles multiple regression, ANOVA, logistic and log linear models, descriptive statistics and has a complete data manipulation module. 50% price reduction for education. \$200.00

*Universite de Liege, Professor James K Lindsey, Faculte d'Economie, Sart Tilman B31 4000 Liege, Belgium; (011) 324-156-2964*

## ◆ MISCELLANEOUS ◆

### Main-A-TRACK-tion

This program is not for you unless your bottom line profitability is your main attraction. Every item of inventory, every sale, every customer, every distributor and every cashier are tracked. Transactions at the point of sale are tracked and cross posted to all relevant data bases as they occur. This allows instant managerial access to report functions at any time of the day for any period you specify. The extensive reporting functions include printouts for inventory, cashier performance, customer history, gross profit and sales tax liability. All operators have an E-mail address for exchanging inter-office memos. For those who operate a service department, the service section tracks status of work and attaches the equipment and repairs to the customer file. All access levels are password protected. Cash drawer standard. AmigaDOS 2.X and 3.0 compatible. Demo available. Complete hardware/software packages available. \$199.00

*Video Computer Resources, Inc., 1200 N. Battlefield Blvd., Suite 110-111, Chesapeake, VA 23320; (804) 436-9508*

## Math-Amation

Colorful, multi-module mathematics tool kit. Solve polynomial, function plots, algebra, geometry, and statistics. Includes scientific and matrix calculator. Also features business-presentation graphics. \$79.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## MicroLawyer

Over 100 legal form templates for corporate, personal, and business use. Can save you time and money on legal fees. \$59.95

*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

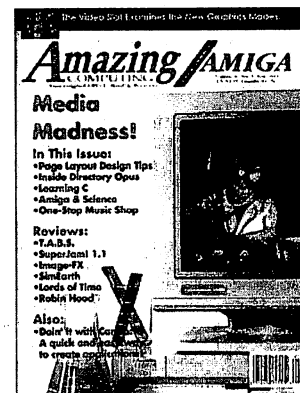
## ◆ VERTICAL MARKETS ◆

### Pig Palace Data System

Record-keeping system specifically for hog producers. Data entry windows for sows, boars, weaners and feeders. Over 15 different reports, from open sows to 12-month averages.

*James River Livestock and Equipment, P.O. Box 473, Sundre, Alberta, Canada T0M 1X0; (403) 638-3949*

What's the best way to make your Amiga more productive?



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# Programming General

## ◆ PROGRAMMING GENERAL ◆

### A.D.A.P.T. 68040 Assembler

A.D.A.P.T., the 68040 Assembler, is a comprehensive collection of programming tools for the assembler language programmer. The A.D.A.P.T. package includes an optimizing 680 x 0 macro assembler, high-speed single-pass linker execution profiler, and program module analyzer. A.D.A.P.T., the 68040 Assembler, is AmigaDOS 2.0 compatible. Requires 512K RAM. \$119.95  
*Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045; (215) 337-8770*

### AC/BASIC 1.3

Compatible with AmigaBASIC interpreter. Increases execution speed, and includes structured programming features. \$195.00  
*Absoft Corp., 2781 Bond St., Rochester Hill, MI 48309; (313) 853-0050*

### AC/FORTRAN

ANSI FORTRAN 77 compiler, interactive debugger. Includes IEEE math, VAX, and FORTRAN 8X extension, and much more. 300 pp. manual. \$295.00  
*Absoft Corp., 2781 Bond St., Rochester Hill, MI 48309; (313) 853-0050*

### AMOS PD

AMOS America is the source for AMOS PD in the USA. Hundreds of disks are in the collection, packed full of AMOS Basic code for the beginner or expert. Mark Scott is the librarian here in the States, and we work directly with Sandra Sharkey, the UK librarian. We are also suppliers of AMOS licenseware. Call for more information and a free AMOS PD catalog. 1-9 \$4.95 each; 10-24 \$3.95; 25+ \$2.95. Runs on any Amiga, AMOS Basic programming language.  
*AMOS America, P.O. Box 4592, Lexington, KY 40544; (606) 254-4706*

### AMOS Professional

This AMOS development package has been completely overhauled. Features: 200 new commands for a total of more than 700. Fast IFF anim playback, Hypertext, MED music library support, much more. Brand new editor, detailed on-line help, new manual, new accessories including object editor with anim facilities, two example disks, and selection of completely new programs. \$69.99. Upgrades available.  
*Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333*

### AMOS TOME

AMOS TOME is an extension to the AMOS language that makes the creation of large, scrolling, map-based games easy in AMOS. Extension is 100% machine code and takes only 2.9K of memory. AMOS TOME package includes handy utilities, examples, and a full game (Jetstrike Jr.). TOME Map Editor is fast, powerful, and incredibly easy to use. Fully icon driven, over 50 main functions, full on-line help facility, 20 different drawing modes. Tiles are 16x16 to 32x32 pixels in size, and up to 64 colors may be used, with up to 10 color palettes stored in memory at once. Has mini art package to edit individual files without leaving Map Editor. TOME programs may be compiled with AMOS compiler. NTSC. Requires AMOS v1.3 or higher, 1MB RAM. \$49.95  
*Digital Production Labs, c/o David Lazarek, 516 E. 11th St, Michigan City, IN 46360-3616; (219) 874-6380*

### APL.68000 LEVEL I

APL.68000 is a full multi-user implementation of an extended superset of IBM's powerful VSAPL language. Providing a free Run-time license, application developers may take advantage of APL.6800's multi-tasking, full screen function editor, user-defined pull-down menus and Requester boxes, full interface to Amiga graphics facilities, and more. Math chip support available for \$415. \$155.00  
*Spencer Organization, Inc., 24 Wampum Road, Park Ridge, NJ 07656; (201) 307-9099*

### APL.68000 Level II

APL.68000 Level II is fully developed in close conformance to IBM's APL2/370 specification. Level II is fully upwards compatible with its predecessor Level I including the same machine-specific features that made APL.68000 Level I so popular; (multi-tasking, a full interface to Amiga graphics, etc). Upgrades from Level I available. \$495.00  
*Spencer Organization, Inc., 24 Wampum Road, Park Ridge, NJ 07656; (201) 307-9099*

### ARexx

Implementation of REXX, a high-level language especially suited for string manipulations and as a macro processor. \$49.95  
*William S. Hawes, P. O. Box 308, Maynard, MA 01754*

### Ameega-FFT C Package

The Ameega-FFT C Package provides all the source and code you need to perform detailed frequency analysis of your data utilizing a complete set of Fast Fourier Transform (FFT) routines. The package includes C source for derivation of the Power-Spectrum, Phase-Amplitude Spectrum, Inverse FFT. \$152.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### American AMOS

This specially written version now means U.S. users no longer have to adjust screen sizes, and graphics are clearer and brighter. Also includes U.S. support telephone service. AMOS is a sophisticated development language with more than 500 different commands to produce the results you want with minimum effort. Create games, educational programs, graphical datavases, video titling, more. \$110.00  
*Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333*

### Amiga COMAL

Put some punch into your programming without getting knocked out! COMAL gives you power plus fun, including LOGOturtle graphics. It is a friendly, helpful language; yet it allows you full access to the Amiga if you need it (just like C). \$99.95  
*Comal Users Group, U.S.A., Ltd., 5501 Groveland Terrace, Madison, WI 53716; (608) 222-4432*

### Amiga Logo

Amiga Logo takes advantage of the Amiga's speed, sound, and graphics capabilities. Included in the manual and on the disk are several examples of the power of Amiga Logo. Features include up to 32 colors and four selectable screen resolutions, interactive, discovery-oriented environment using mouse driven pull-down menus, programmable and free-hand graphics from either simple commands or by using the mouse, and advanced list and symbol processing. \$99.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Amiga Oberon

Oberon is the new programming language from Niklaus Wirth, designer of Pascal and Modula-2. Amiga Oberon is the implementation of this language for the Amiga in a way which outperforms almost every other way of programming. Requires 1MB RAM. ARExx, NTSC, and PAL compatible. \$249.00  
*A+L AG, Daderitz 61, 2540 Grenchen, Switzerland; (011) 416-552-0311*

### AmigaDOS 2.1 Upgrade Kit

Various AmigaDOS 2.1 upgrade kits available depending on which Amiga system is being upgraded. Details available at Commodore Authorized Resellers and Service Centers.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### AssemPro

Bridge the gap between slow higher-level languages and ultra-fast machine language programming: AssemPro Amiga unlocks the full power of the Amiga's 68000 processor. It's a complete developer's kit for rapidly developing machine language/assembler programs on your Amiga. ISBN 1-55755-030-1 \$99.95  
*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512; (616) 698-0330*

### Autogram C

Automatically writes C language programs. Suitable for home or professional use. Two disks. \$149.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374; (214) 530-5337*

### Avocet 68000 Family Assembler

For 680X0 embedded-system software development. Supports entire 68000 family including 68030 and 68882. Motorola compatible. Includes macro assembler, linker, symbol report generator, object librarian, disassembler, and hex file utilities for burning eeproms. Source code is available. \$875.00  
*Avocet Systems, Inc., 120 Union Street, P.O. Box 490, Rockport, ME 04856; (800) 448-8500*

### Aztec C68K/Am 5.2 d-Developer System

New version is fully ANSI compatible. Full v2.04 and v1.3 support. Has v2.04 includes, libraries, and fd files. Source level debugger is now part of developer system. AmigaDOS 2.0 compatible. Updates available. \$299.00  
*Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702; (800) 221-0440*

### Aztec C68K/Am 5.2 p-Professional System

New version is fully ANSI compatible. Full v2.04 and v1.3 support. Has v2.04 includes, libraries, and fd files. AmigaDOS 2.0 compatible. Updates available. \$199.00  
*Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702; (800) 221-0440*

### Basic Construction Set 2.6

Lets you program lines, circles, boxes, sounds, waves, gadgets, pointers, palettes, more in AmigaBASIC or AMOS just by using the mouse. This software is now shareware and can be supplied to you at a cost of \$15. Requires A500/1000/2000/3000, mouse, 1MB recommended. AmigaDOS 2.0 compatible.  
*Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia; 011-61-8-272-2302*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Programming General

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Benchmark Modula-2

Integrated compiler, linker, and EMACS editor. Compiles at 10,000 lines per minute with burst speeds of up to 30,000 lines/minute. Libraries support AmigaDOS, Intuition, Excel, and Modula-2. 700 pages of documentation. Many demonstration programs. \$199.95  
*Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093; (214) 612-8204*

## CCsh

CCsh is a UNIX Bourne Shell Compiler. Translated shell executable equivalents are faster, more secure, and can be assigned s-bits and t-bit. We claim 100% Bourne shell compatibility. Useful for system administrators, consultants who don't want to release shell source to clients, as well as projects prototyped in shell code that now demand executable benefits. Requires a C compiler. \$250.00 under AMIX. \$250.00  
*Comeau Computing, 91-34 120th St., Richmond Hill, NY 11418; (718) 945-0009*

## Comeau C++ 3.0.1 With Templates™

Comeau C++ is a low-cost, multi-platformed port of the latest specification (AT&T 3.0.1) of C++. It supports numerous 'better C' features, data abstraction, and object oriented programming among other capabilities. All this is available without any loss of C's efficiency. Free technical support is offered on this widely ported and highly reviewed C++. Requires C compiler and ARexx. \$250.00 under AmigaDOS 1.3/2.0, \$500.00 under AMIX. \$250.00  
*Comeau Computing, 91-34 120th St., Richmond Hill, NY 11418; (718) 945-0009*

## Contract Programming Services

Graphic Software Insights provides contract programming services for the Amiga. Commodore-registered Amiga developers, providing consulting services for the Amiga since 1991.  
*Graphic Software Insights, 10934 Olivewood Dr., Houston, TX 77089; (713) 481-2284*

## DRD Toolkit with Dynamic Designer for DRD v1.0

DRD Toolkit with Dynamic Designer for DRD rapidly takes you from concept to shipping product. First, design and test your interface using the mouse. Second, you may either store the interface for dynamic retrieval at run-time, or generate source code automatically. Now, using DRD Toolkit, you can fit your interface to your application. This approach allows you to create more powerful, feature-filled programs in less time. Requires SAS/C 5.10, 6.0 or later. No royalty fees. All CPU's including 68040 supported, 1Mb required, 2Mb or more recommended, HD recommended, supports AmigaDOS 1.3, additional features under 2.04, 2.1 or greater, AGA supported.  
*Infinite Possibilities Software & Development, 2416 Stanton Hill Rd., Castro Valley, CA 94546; (510) 886-7045*

## Developer System with Source Debugger and Library Source

The complete Developer System combined with Source Level Debugger and Library Source all for one price. \$499.00  
*Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702; (800) 221-0440*

## F-Basic 5.0 Language System

F-Basic is an enhanced, compiled BASIC language system. Supports extensive control structures, recursive subprograms, global variables, extended integer variables, fast nine digit single precision reals, double precision reals, and text variables. Also supports record structures and pointers, high-level access to Amiga graphics, sound, menus, gadgets, requesters, the ROM Kernel, an ARexx port and more. F-Basic Contains powerful features like recursion and pattern matching to satisfy

advanced programmers, yet is easy for beginners to learn. Version 5.0 includes a completely rewritten integrated editor environment, full access to all screen modes of the ECS & AGA chip sets, PAL support, new support of the serial device for telecommunications; user defined fonts, dozens more. AmigaDOS 1.3, 2.0/2.1, 3.0 compatible. Runs on all Amigas. Shipped with 200+ page manual, Linker and sample programs disks. Sold with F-Basic System Source Level DeBugger (SLDB) for \$159.95. Sold without SLDB, \$99.95. \$99.95  
*Delphi Noetic Systems, Inc., P. O. Box 7722, 2700 West Main Street, Rapid City, SD 57709; (605) 348-0791*

## FASM85

Cross assembler for producing 8085 object code.. \$39.95  
*RockLogic, PO Box 22, Slippery Rock, PA 16057*

## FORTRAN/O20

All the features of AC/FORTRAN. Generates code for 68020/30 CPU and 68881/82 FPU (in-line). Runs on standard Amiga, and works with most 68020/30 upgrades. \$495.00  
*Absoft Corp., 2781 Bond St., Rochester Hill, MI 48309; (313) 853-0050*

## GFA-BASIC Version 3.7 for the Amiga

GFA-BASIC is a very fast interpreter and compiler which has been upgraded to function under Workbench 2.0 and on the Amiga 3000. Includes over 500 commands and functions which let the programmer write all types of applications for the Amiga. \$149.95  
*GFA Software Technologies, Inc., 27 Congress Street, Salem, MA 01970; (800) 766-6GFA*

## GFA-BASIC for MS-DOS

You now have the ability to extend the use of your Amiga programs onto IBM-compatible computers running MS-DOS. The power of GFA-BASIC has been implemented with many extended commands which facilitate the development of a graphical user-interface including menu bars, windows, alert boxes, and pop-up menus. GFA is dedicated to Amiga users wanting to leverage their software investment. \$295.00  
*GFA Software Technologies, Inc., 27 Congress Street, Salem, MA 01970; (800) 766-6GFA*

## GFA-BASIC for Windows 3.0

The windows version of GFA-BASIC gives you a simple but powerful language for developing applications. You can also easily port your Amiga GFA-BASIC programs onto windows without rewriting code. \$295.00  
*GFA Software Technologies, Inc., 27 Congress Street, Salem, MA 01970; (800) 766-6GFA*

## GT Emulator

GT Emulator is an emulator for the new Amiga GadTools library. It allows developers to use many of the new features of Release 2.0 of the Amiga operating system, while still remaining completely compatible with 1.3. Applications are written exactly as if writing for 2.0 GadTools library, so programmers don't have to learn a new system to operate under both 1.3 and 2.0. One-time site licensing fee: \$1000.  
*Dreamers Guild, P.O. Box 33031, Granada Hills, CA 91394-0931; (818) 349-7339*

## JForth Professional V3.0

Interactive programming language. 32-bit Forth compiles directly to FAST 68000 machine code. Generates SMALL standalone applications. Complete interface to Amiga 2.0 libraries and precompiled include files. Includes ARexx toolbox, source level debugger, integrated text editor, two assemblers, disassembler, IFF/ILBM tools including ANIM and ANIMBRUSH support, object-oriented dialect, local variables, global register based

optimizer, code performance analyzer, hashed dictionary for fast compilation, numerous example programs and tutorials. NTSC/PAL. Requires 1MB. AmigaDOS 1.3/2.0 compatible. \$179.95  
*Delta Research, P.O. Box 151051, San Rafael, CA 94915-1051; (415) 461-1442*

## M2Amiga

Amiga Modula-2 works with versions 1.2, 1.3, 2.0 of the Amiga Operating System and runs on the Amiga 500, 1000, 2000, and 3000 with at least 1MB of RAM and a disk drive. The system can be used either from the CLI (Command Line Interface) or from within the workbench environment. This is available only in the Modula-2 language. \$249.00  
*A+L AG, Daderiz 61, 2540 Grenchen, Switzerland; (011) 416-552-0311*

## Macro68 V3

Macro68 supports entire Motorola family including MC68040, MC68882 FPU, and MC68851 MMU. Additional capability includes Amiga copper. Supports new Motorola syntax for 030 CPUs and includes utility to convert old-style syntax painlessly. Old syntax also supported. Most Macro68 features limited only by available memory. Directives include Structure Offset for compatibility with Amiga's interface conventions, and Frame Offset for easy stack frames. Includes full listing control as well as cross-referencing. User-accessible file provides ability to customize directives and runtime messages. Macro68 is fully re-entrant, and may be made resident. ARexx interface provides real-time communication with editor of your choice. A number of directives enable Macro68 to communicate with AmigaDOS. External programs may be invoked on either pass, and the results interpreted. Unique feature is use of preassembled, resident include files for incredibly fast assemblies. These may be standard Amiga files or any header files. Also, configuration file may be defined that will set up a particular environment or insert specific code in all assemblies. Macro68 is compatible with the directives used by most popular assemblers. Output file formats include executable object, linkable object, binary image, pre-assembled symbol tables, and Motorola S records. Requires 1MB RAM, V1.2 OS or later. Call The Puzzle Factory in U.S. or Canada, DigiSoft in Australia or the rest of the world. \$150.00  
*Puzzle Factory, The, P.O. Box 986, Veneta, OR 97487; (503) 935-3709*

## MaxTrax

MaxTrax is a high-quality music driver for developers who want to write games or multimedia application on either Amiga or CDTV. It includes Music-X for creating music, and can import music from other sources as well. Musical effects supported include Accelerando and Portamento. Other features include host volume control, Synchronization events, NTSC/PAL compatibility, small code size and a library of IFF sample instrument sounds. Developer kit: \$500; Product Insertion License: \$2000; Demo disk: Free.  
*Dreamers Guild, P.O. Box 33031, Granada Hills, CA 91394-0931; (818) 349-7339*

## MultiTrace 1.0

A link library for the SAS/C compiler. Debugs single and multitasking programs by allowing you to output printf-style strings, do hex dumps, and pause programs. You can trace subtasks by issuing a simple call to open a window for each task that tracks function entries, exits, parameters, return values, and nesting depth. Gadgets in output window let you pause and step individual tasks, change execution speed, and restrict output to specific nesting levels. Includes MakeTrace utility, which creates special macros and generates C function prototypes. These macros tell preprocessor to replace function calls with calls to MultiTrace library. Installs easily on hard drive without copy

# Programming General

protection. NTSC/PAL. AmigaDOS 2.0 compatible. \$89.00

*AltoFirma Software, 36M Ridge Road, Greenbelt, MD 20770; (301) 345-2357*

## REXX PLUS Compiler

Compiles AReXX compatible source code, and generates programs that execute that as much as 18 times faster. Version 1.30 generates 50 to 60% smaller programs with the new run-time library option and 10% smaller programs with the default options. External library look-ups are eliminated by resolving library and host function calls at compile-time. The compiler includes and supports the rexxsupport.library, rexxmathlib.library, and rexxpsextnd.library functions as part of the language (built-ins). The REXX RAINBOW Library Series libraries are supported as external support libraries or as part of the language (built-ins). The REXX PLUS Compiler creates 100% re-entrant code, allowing users to make their programs resident. Compiled REXX programs can call or be called from other compiled REXX programs, C, 680xx assembler, and many other languages. Writing and debugging AReXX programs takes less time and effort with the enhanced source listing and explicit error messages. The enhanced source listing contains IF/DO/SELECT nesting levels, a cross reference, and symbol maps. Most errors are found in a single compile and are printed with a line and a column number. The REXX Variable Interface is supported by the REXX PLUS Compiler giving direct access of symbols to both Hosts and libraries. Programs can be compiled with the Intuition interface or the CLI as a command, or from any Host. Programs invoked by Hosts automatically execute the compiled version of the AReXX program. Programs can be distributed as commercial products, as freely redistributable, or to your friends (run-time license fee no longer required). Compiler requires 1MB. Compiled programs require AReXX and a minimum of 500K. AmigaDOS 1.3, 2.0, and 3.0 compatible. \$150.00  
*Dineen Edwards Group, 19785 West Twelve Mile Road, Ste. 305, Southfield, MI 48076-2553; (313) 352-4288*  
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## ReSource V5

ReSource V5 is an intelligent interactive disassembler for Amiga programmers. Entirely hand-coded in assembly, it is blindingly fast, disassembling literally hundreds of thousands of lines per minute from executable files, binary files, memory, or disk blocks. Full use is made of Amiga windowing environment. Over 900 menu functions allow you to create real assembler source code. Most Amiga structure names available at the touch of a key. Base-relative addressing supported for disassembling C programs. User-defined structures also supported. All Amiga hunk types supported for code scan. ReSource V5 runs on any 680x0 CPU, but automatically detects the presence of an 020/030 CPU and runs faster routines if possible. Allows user to output either traditional 68K syntax or new Motorola M68000 Family assembly language syntax, and is fully compatible with Macro68 assembler. All-new, online help facility featuring hypertext word indexing now included. This enables user to get in-depth help about any function at the touch of a key. Completely rewritten user manual. ReSource V5 supersedes all previous versions. Requires 1MB RAM, V1.3 or later. \$150.00  
*Puzzle Factory, The, P.O. Box 986, Veneta, OR 97487; (503) 935-3709*

## SAS/C® Development System, Version 6

Version 6 was developed to provide users with a responsive, controllable C compiler designed for the Amiga. Presents options for customizing and increasing the speed of programming activities. Features online help for library functions, commands, and utilities, global symbol tables, easy creation/debugging of shared libraries and de-

vices, global and peephole optimizers, all new documentation, much more. Requires AmigaDOS 1.2 or higher, at least 1MB. 2MB or more and hard disk recommended, but will work with two 880K 3.5-inch diskette drives. \$395.00  
*SAS Institute Inc., SAS Campus Drive, Cary, NC 27513; (919) 677-8000*

## Source Builder

Source Builder is a CASE (Computer Aided Software Engineering) tool for the Amiga computer. This tool allows the programmer who has to design, code, integrate, and manage large amount of software to automate the development of source code. The tool supports source code generation in two distinct ways—Advanced Macro Processing and Logical Object Processing. It manipulates ASCII files. The user can write source code with practically all languages. \$99.95  
*Software Integration Solutions, 11027 Twin Pond Terrace, San Diego, CA 92128; (619) 748-3350*

## TorqueWare™ for the Amiga

Development system for creating programs that run in parallel on networked computers (Amiga, SGI/MIPS, SPARC, etc.). Harnesses power of each participating computer to solve your problem in less time (e.g. if integrated with rendering code, can accelerate rendering). Non-Amiga products from Torque Systems, Inc. allow cross-system development and execution. Implements the Linda distributed programming model, where portable C calls are preprocessed to calls to link libraries. Development system (preprocessor, stand-alone local client/server link libraries, local and network support tools): \$100. Network client/server link libraries: \$200 per Amiga CPU. Server distribution requires a license.  
*AugMenTek, 3606 S. 180th St. #C-22, Seatac, WA 98188; (206) 246-6077*

## True BASIC Language System

Structured, easy to use language, features: compiler, editor, and debugging tools. Floating point math, support for large dynamic arrays, and built-in syntax for matrix Algebra. Plot entire arrays with a single statement; apply built-in transforms; use the 3-D Graphics Library to put depth into the graphics. \$99.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## TurboText

Oxxi's new text editor for the power user! Fully customize the editor to any compiler on the market, including C, Pascal, and Modula II. Macros, hex edit window, complete outlining, text templates, complete remapping of keyboard and menus, and much more! Workbench 2.0 compatible. \$99.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
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## ◆ GRAPHICS ◆

### Analytic Art

Mathematically produces drawings easily. Five programs, three fractal generators for Mandelbrot, Julia sets, Henon plots, and Siepinski gaskets. Two post-processing programs. The spheres program maps pictures on spheres. 3-D driven Z heights. More. Includes documentation. \$59.95  
*Crystal Rose Software, 119 North Bonnie Ave., Pasadena, CA 91106-2103; (818) 795-6664*

### X11 R4 LDS

Local Development System. Complete system for compiling, running and displaying XWindow applications locally under AmigaDOS using Lattice 5.10a. Networks: SANA Local, supports displays to 2K x 2K color. User interfaces: TWM, Open Lock. \$475.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035; (408) 262-1469*

## X11 Programmer's System for the Amiga

Develop X11 applications under AmigaDOS. Source code compatible with X11 release, 4 or UNIX based machines. Works with Gfx Base's X11 window system for the Amiga. Contents: X11 R4 include files, xlib athena widgets, xtoolkit, xmu, BSD socket library networks: ethernet DECnet (TSSnet) +CP/IP (NE225), SANA, arcnct and slip. Requires Lattice 5.10, 3MB RAM. \$250.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035; (408) 262-1469*

## ◆ MUSIC ◆

### HMSL

Hierarchical Music Specification Language. An object-oriented Forth-based language for experimental real-time music composition. Complete MIDI toolbox supports mapping input to user functions, system-exclusive messages, recording, MIDI files, etc. Includes hierarchical event scheduler, custom user-interface builder, Amiga sound tools, graphical data editor, tools for algorithmic composition, and more. Source code included. Requires JForth. \$75.00  
*Frog Peak Music, P.O. Box 151051, San Rafael, CA 94915-1051; (415) 461-1442*

## ◆ PROGRAMMING TOOLS ◆

### Display Maker

Provides programmer with a user interface construction and program generation tool. Display Maker is not a single-use user interface code generator. It provides a full WYSIWYG user interface generation and prototyping tool that lets programmers and non-programmers create Intuition user interfaces. Resulting user interface is embodied in resource file used directly by the final application to implement the interface. Once user interface is created, programmer can combine Display Maker's library functions with application support code to produce working application. Application's user interface can be modified by a preferences tool, changing the appearance of interface without requiring any recompilation. NTSC/PAL. Requires 1MB min, AmigaDOS 2.04 or higher. \$199.95  
*Expert Services, 5912 Centennial Circle, Florence, KY 41042; (606) 371-9690*

### Dynamic Designer for DRD v1.0

Visually create user interfaces for applications written with DRD Toolkit. Simply use the mouse button to create user interface elements such as: Group, Button, Check Box, Spin, List, Radio Button, Palette, Scroller, Slider, Text Field, Bitmap Editor, Object Editor, Static Text and Image. Interactively create windows, requestors and menus. When done, you may either store the interface for dynamic retrieval at run-time, or generate source code automatically. Full documentation including tutorial. Requires DRD Toolkit. All CPU's including 68040 supported, 1Mb required, 2Mb or more recommended, HD recommended, supports AmigaDOS 1.3, additional features under 2.04, 2.1 or greater, AGA supported.  
*Infinite Possibilities Software & Development, 2416 Stanton Hill Rd., Castro Valley, CA 94546; (510) 886-7045*

### Dynamic Relative Display Toolkit v1.0

DRD Toolkit is a programmer's library which dramatically accelerates the development of powerful Amiga applications. It incorporates these unique features: dynamic layout, screen font independent, display resolution-independent, interface retrieved dynamically at run-time, user customizable interfaces, object-oriented, internationalization, supports visually-impaired users, 3D look and capabilities beyond GadTools. It provides routines for creating and handling windows, requestors, menus, gadgets, callback hooks, timer events and more. Requires SAS/C 5.10, 6.0 or later.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Programming General

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

No royalty fees. All CPU's including 68040 supported, 1Mb required, 2Mb or more recommended, HD recommended, supports AmigaDOS 1.3, additional features under 2.04, 2.1 or greater, AGA supported.  
**Infinite Possibilities Software & Development,**  
 2416 Stanton Hill Rd., Castro Valley, CA 94546;  
 (510) 886-7045

## Instinct

Object-oriented shared library to simplify programming for the Amiga. Included classes provide support for Intuition functions in an easy-to-use environment. In addition to the object classes, the Instinct object engine is designed to readily accept new classes as they are released. Class structure allows incorporation of only the required classes—saving memory and reducing complexity for the programmer! Requires AmigaDOS 2.0. Available 1st quarter 1993. \$249.95

**Advanced Thinkware Designs,** 61 East 8th Street, Suite 324, New York, NY 10003

## MetaScope v1.5

This powerful, easy-to-use version has AmigaDOS 2.0 specific features. Load/save configuration, Enforcer support, 68020/030 support, memory windows, execution control, powerful expression evaluation, full symbolic capability; much more. \$99.95

**INOVAtronic, Inc.,** 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991

## Modula-2 and the Amiga

The first complete guide to programming the Amiga in Modula-2. Contains 300 pages of tutorial information on programming the Amiga to do graphics, menus, gadgets, and other complex operations. \$99.95

**Avanti-Garde Software,** 2525 Preston Road., Ste 1613, Plano, TX 75093; (214) 612-8204

## Motif Programmer's Toolkit for the Amiga

The Motif Programmer's Toolkit with MWM implements the standard machine-independent programming environment of the OSF/Motif graphics user interface. Includes: include files, Motif object libraries, Motif window manager, UIL (Motif User Interface Language) compiler, WML (Widget Meta Language), MRM (Motif Resource Manager), plus more. Requires 4MB RAM min., 10MB hard disk space, SAS C/5.10 A. \$295.00

**Gfx Base,** 1881 Ellwell Drive, Milpitas, CA 95035; (408) 262-1469

## Quma Version Control System v1.1

QVCS tracks all the changes you make to any file, tracks who made the changes, when and why. Features include support for file branching and merging, support for binary files, keyword support, completely user-configurable keywords and command lines, and many other improvements suggested by users of version 1.0. QVCS is fully competitive with the leading tools available on PC platforms. Requires AmigaDOS 1.3/2.0, 1MB, hard disk. Now shipping. \$129.00

**Quma Software,** 20 Warren Manor Court, Cockeysville, MD 21030; (410) 666-5922

## STSLib

A library of C functions which allows Amiga programmers simple access to 3-D look gadgets under AmigaDOS 1.3/2.0. STSLib provides functionality similar to gadtools library of AmigaDOS 2.0, allowing simple generation of boolean, text, slider, and cycle gadgets as well as radio buttons, check boxes, and menus which are font sensitive under AmigaDOS 2.0. STSLib is provided as source code and as Blink-compatible library. Requires Lattice C computer. \$60.00

**SciTech Software,** 23 Stag Leys, Ashtead, Surrey KT21 2TD, England; 011-44-372-275-775

## Subroutine Library

CD-ROM development subroutine libraries for full text, fielded data, and multimedia applications. \$3500.00

**Software Mart, Inc.,** 3933 Steck St., Ste B-115, Austin, TX 78759; (512) 346-7887

## True BASIC Sorting and Searching

Fourteen optimized subroutines for string and numeric sorting. Allows case-blind, multikey, bubble, selection, heap sorts, and other customized comparison routines. Includes in-place quick sort and binary search routines. Includes the source. \$69.95

**True BASIC, Inc.,** 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC

## True BASIC—Programs and Subroutines

Learn to compile and modularize your programs. By Craig. \$16.95

**True BASIC, Inc.,** 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC

## Wisdom

User interface design tool for Instinct. Provides programmer with a CASE-like environment for designing user interfaces, and stores the design in a resource file. Includes a shared library for accessing the Instinct objects used, allowing the programmer to concentrate on the functionality of the application while Wisdom does the 'dirty work.' User interface resources can be modified without need for recompilation. Requires Instinct and AmigaDOS 2.0. Available 2nd quarter 1993. \$149.95

**Advanced Thinkware Designs,** 61 East 8th Street, Suite 324, New York, NY 10003

## XView Programmer's Toolkit for Amiga

XView programmer's toolkit allows native development of XView-XWindows programs using the SAS C compiler. XView is an X toolkit based on Sunview programming model allowing for easy parts of existing Sunview programs to XWindows environment. Produced by S & B Software. \$250.00

**Gfx Base,** 1881 Ellwell Drive, Milpitas, CA 95035; (408) 262-1469

## ◆ TEXT EDITORS ◆

### CygnusEd Professional 3.0

The pioneering Arexx compatible text editor (winner of the 1992 Reader's Choice Award for best text editor) is back with an all new version featuring full WB 2.0 and 3.0 support and localized strings. \$99.95

**ASDG, Inc.,** 925 Stewart St., Madison, WI 53713; (608) 273-6585

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## ◆ TUTORIAL ◆

### Advanced String Library

Tools and routines for the True BASIC language system. Features includes expression scanning, associative memories, text manipulation to fill and justify text, pattern matching, expression scanning character-set matching, and text conversion for English and Roman numerals. Also includes 38,000 word English dictionary. \$69.95

**True BASIC, Inc.,** 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC

### AmeegeaView™ V2.1

AmeegeaView is an object oriented, C language, Intuition front-end (library). AmeegeaView is an easy-to-learn standardized interface that provides over 100 easy-to-use routines and macros to completely control the set up and manage windows, screens, menus, requesters, gadgets of all types (including automatic mutual exclusion), bitmaps, all imagery, IFF, text, and much more. This consistent Intuition/graphics interface greatly reduces programming time and code space for professional

applications development. AmeegeaView works with both Manx and Lattice (SAS/C). The distribution disk contains oodles of demo code in C and extensive documentation. You will be writing serious Amigitized user-interfaces in minutes (and we are serious about this). \$79.95

**ACDA Corporation,** 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722

### AmigaDOS v2.0 Native Developer Update

Four-disk set containing the final 2.04 function Autodocs, final 2.04C and assembler Amiga include files, linker libs (Amiga.lib, debug.lib, ddebug.lib), FD files, offsets, a great deal of 2.0 example code, and the 'Software Toolkit II' disk full of the latest Amiga debugging tools. Not available through Commodore Authorized Resellers. Send check/money order to Commodore Business Machines, Dept. C, listed address. U.S. S&H \$3, Canada/Europe via air \$15. Add local sales tax for PA, VA, CA, TN. Allow 4-6 weeks delivery. \$20.00

**Commodore Business Machines,** 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100

### Audiotools for the Amiga

Based on an article published in July/Aug 87 Amiga World, disk contains source and object in both C and Modula-2 that simplifies direct access to the audio device. Updated since publication of the original article, and includes the original unedited article text (with updates included). No licence required for use. \$8.00

**DATAPATH, P.O. Box 1828, Los Gatos, CA 95031**

### Easy AMOS

Have you ever dreamed of making your Amiga really work for you? Now you can with simplified, ultra-friendly version of AMOS Basic. Easy AMOS will show you how to produce graphics, animate colorful objects, scroll large text, add music, create games, and more. Easy AMOS is packed with ready-to-run programs carefully and simply explained. Programming course of 20 lessons consists of two disks and user guide. Requires 1MB or more and three blank disks. \$34.99.

**Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333**

### GS-1000 Graphics Library

Library of over 90 graphics-oriented commands. Includes device-independent 2-D graphics, multiple viewports and screens, zoom panning, color mixing, and many other commands and a full-featured paint program. With source code, \$149.95. \$49.95

**Rittinghouse Software Development Company, RR 2, Box 62, Parker, SD 57053; (605) 342-6229**

### Key to C version 2.02

Library of C functions for the Amiga, including source and object code for all functions for easy insertion into programs. Includes all documentation on disk. A 64-page reference manual. Also includes three utility programs. \$34.95

**Data Research Processing, Inc.,** 5121 Audrey Dr., Huntington Beach, CA 91649; (714) 840-7186

### True BASIC 3D Graphics

Create 3-D graphics with True BASIC 3-D graphics and the True BASIC language system. Supports perspective and parallel views, arbitrary oblique projections, cabinet, cavalier projections, circles, rectangles, grids, polygons, text plotting, and contour plots. Also provides basic animation tools. \$69.95

**True BASIC, Inc.,** 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC

# Programming General

## ♦ UTILITIES ♦

### AmigaMOP Test Management Package Version 2

The AmigaMOP V2 is a data management and user interface for electronic test systems. Linkable and run-time libraries are included for writing the test programs and data handlers. Other features included in this version are safe memory support, dual multitasking/multiplexing test programs, and a help feature. \$349.00

Go Software, 136 Spicer Road, Thompson, CT 06277; (203) 923-2348

### C Language Library

Add-on library product for Benchmark Modula-2. All standard C language library functions are implemented for use in Modula-2. \$99.95

Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093; (214) 612-8204

### ConMan

Replacement console handler that provides line editing and command history. Shareware, V.1.1. \$10.00 suggested contribution  
William S. Hawes, P. O. Box 308, Maynard, MA 01754

### Developer's Toolkit

Collection of machine-specific routines that facilitate access to ROM and other special Amiga features. Also includes access to Intuition. \$69.95  
True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC

### F-Basic System Source Level Debugger (SLDB) 5.0

The SLDB functions in a fully-windowed Intuition interface, and allows the user of an F-Basic 5.0 program to debug at the Source level. A knowledge of assembly language is not necessary to use the SLDB. Allows the user to set breakpoints on source lines of the program halting execution, trace one source line at a time, go until breakpoint, etc. Allows the same functions at assembly level. Valuable debugging tool for beginner or advanced programmer. Some features include viewing and altering 68000/020/030/040 registers, viewing and altering coprocessor registers, memory, variables, arrays, and records by name. Full-featured reverse assembler also included. Version 5.0 adds dozens new features and PAL and ECS/AGA chip set support. AmigaDOS 1.3, 2.0/2.1, 3.0 compatible. Runs on all Amigas. Includes user's manual. Requires F-Basic 5.0 \$60.00

Delphi Noetic Systems, Inc., P. O. Box 7722, 2700 West Main Street, Rapid City, SD 57709; (605) 348-0791

### FasTrig

Library of object modules of trigonometric functions that execute 180 times faster than conventional IEEE trig functions on any Amiga without a floating point processor. Speed increase achieved by consistent use of integer binary math in all phases of computations. Object modules are callable from C language or assembly code. Source codes, support routines, and example codes provided on one non-protected diskette. Document manual fully discusses FasTrig concept and Amiga implementation. PAL/NTSC. AmigaDOS 1.2/1.3/2.0 compatible. \$55.00

Parth Galen, P.O. Box 482, Cold Spring, MN 56320; (612) 685-8871

### Flexe Lint for the Amiga

Finds errors, bugs, and inconsistencies that your compiler working on one module at a time will miss. Supports K&R C language and ANSI C. Finds inconsistent declarations, argument/parameter mismatches, uninitialized unaccessed variables,

unreferenced variables, suspicious macros, indentation, and more. Includes compiler options files for the Lattice and Aztec compilers. Version 4.0 features incremental linting and checking of compile time objects. \$98.00

Gimpel Software, 3207 Hogarth Lane, Collegeville, PA 19426; (215) 584-4261

### IFF and Image Resource Library

Add-on library product for Benchmark Modula-2. Functions for reading and writing IFF files. Tool for attaching IFF images to an executable file. Images can be accessed at run time as resources from the Modula-2 program. \$99.95

Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093; (214) 612-8204

### InovaTools 1 v2.0

InovaTools 1 was designed to increase programmers' interface construct options beyond those of Intuition. Included are function definitions—in linkable C or system library format—for the following: Drag Gadgets, Knob Gadgets (Analog-type circular knobs), Pop-Up menus, and over 40 other useful routines. Written by Todor Fay. \$99.95  
INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991

### Library Source

Includes the original Assembly and C source to all routines in the Aztec RunTime Libraries. \$300.00  
Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702; (800) 221-0440

### M2 Debug

Debugger for M2Amiga. \$100.00  
A+L AG, Daderiz 61, 2540 Grenchen, Switzerland; (011) 416-552-0311

### O Debug

Runtime source level Debugger for Amiga Oberon. \$100.00  
A+L AG, Daderiz 61, 2540 Grenchen, Switzerland; (011) 416-552-0311

### Power Windows 2.5C

A development tool that allows a programmer to interactively design a user interface—with menus, gadgets, custom screens, and multiple windows—using simple menu commands and mouse movements. Install the PW generated code in your original program and—\*ZAP\*—instant interface! PW generates code in popular versions of C, FORTH, Modula-2, BASIC, as well as MC68000 Assembler. \$89.95

INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991

### RUF Programming Utility

RUF allows the assembly programmer to forget about .i files and use .h files in simplicity! Now, potentially dynamic structure offsets can be accessed as simply as nodes are accessed in C. Automatically calculates structure sizes, as dictated by the .h include files. RUF scans your assembly source, replacing the node paths and keywords with equivalent data from the .h files, then evokes your assembler on the modified source. A must for the hybrid programmer with limited disk space. \$15.00

RoKroot software/hardware, 5411 37th Ave. South, Seattle, WA 98118; (206) 722-6258

### Simplified Amiga Library

Add-on library product for Benchmark Modula-2. Functions simplify creation of Intuition screens, windows, gadgets, and menus. Only one line of source to create any of them. Functions for double-buffered animation, bobs, sprites, speech, console, and device. \$99.95

Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093; (214) 612-8204

### Software From Hell

Software routines, libraries, and utilities for Amiga programmers. Includes all open/close individual/specific/stereo channels, start/stop/flush/reset audio channels, play: notes, frequencies, sampled sound effects; read IFF 8SVX sound effect files; many sound effects included in package. Also includes accurate time delays using Amiga hardware timers, track positioning, brush memory management, direct BLITTER access routines, and convert brushes to sprites. All source included with examples. All C source has been run through Lint for maximum portability among different compilers. Libraries provided in Manx Aztec C format. \$69.95  
Conceptually Advanced Technologies, P.O. Box 3302, Santa Monica, CA 90403; (310) 452-1732

### Source Level Debugger (SDB)

Interactive source-level debugger designed for fast response and ease in debugging. SDB lets user display all function action names; display values of passed parameters; examine values from any active function; customize the debugging environment with reusable command macros and procedures; use function or line-by-line tracing; set breakpoints by lines functions or variables; see actual C source as it executes; and more. \$125.00  
Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702; (800) 221-0440

### Source Level Debugger and Tools

Add-on product for Benchmark Modula-2. Interactive mouse driven source level debugger, a post-modem debugger, execution profiler, source formatter, and other advanced programming tools. \$99.95

Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093; (214) 612-8204

## ♦ VIDEO PROGRAMMING ♦

### ProImage V2.0

This custom, menu-driven program displays and updates video text screens/digitized images/animations. Supports hi-res and HAM images plus DCTV and HAM-E. Can send IFF images, Anim-5 anims to any remote site reachable by phone or satellite. Powerful script capability uses system clock to control date/time showing of pages or anims; there is menu to reset clock. Transitions include cuts, blinds, wipes. Change, add, or delete pages remotely without taking system off-line, creating seamless look. Pages can be compressed for transmission, then extracted remotely. Command line control of remote computer. Can program serial-controllable devices (RS-232, -422) such as VCRs, laser disc players, video/audio switchers; improved status messages from remote computer. AmigaDOS 2.0 compatible. NTSC/PAL. RS-232 to RS-422 converter, specific device programming extra. Optional date/time bar. Demo disk, video tape available. \$349.00

Communication Systems Engineering, 4 Todd Rd., Nashua, NH 03060; (603) 883-0223

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to know about  
programming but  
were afraid to ask...

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|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## ◆ UTILITIES GENERAL ◆

### ALF-TOOLS

Software tool box with hard disk optimizer, speed test, undelete. NTSC/PAL. English/German manual. Workbench 2.0 compatible. \$35.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### Amiga Multi-User Software

Allows the Amiga to serve multiple terminals with more than one window per terminal. Runs text-only CLI programs from the terminals. Multi-user database software available. \$120.00  
*Conceptual Computing, 603 Castlefield Ave., Toronto, Ontario, Canada M5N 1L9; (416) 971-9428*

### Ami...Alignment System

This program allows user to evaluate 3.5-inch disk drive alignment, speed, read-write performance, and other characteristics. All too frequently, users encounter error messages related to the disk drive. This program provides a means of diagnosing and correcting the problem. \$49.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### AutoKick

Modify A1000 Kickstart disks to use any floppy to boot from. Software autoconfig contiguous blocks of fastmem, increase available chip RAM. Install a font of your choice in place of Topaz-8 font supplied with Kickstart. Install code to prevent the spread of any boot-block virus. Speed up floppy operation. Full intuition interface; all operations selectable from gadgets. Runs from CLI or Workbench. Requires A1000, 512K, AmigaDOS 1.2 or 1.3. \$39.95  
*DigiSoft, 12 Dinmore Street, Moorooka, Brisbane, Queensland, Australia 4105; (011) 617-277-3255*

### B.A.D.

B.A.D. is a disk optimizer. Disk optimizing is a process in which a disk is reconstructed and organized in a manner such that the disk performs much more smoothly and quickly. The results of processing a disk are quite noticeable, as it is difficult to keep disks well organized. B.A.D. does not change anything on the disk, except the location of data. B.A.D. works with floppies and hard drives, and also supports multiple partitions. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### D.U.D.E.

DOS Utility/DOS Enhancer combines the power of CLI with the simplicity of Workbench. Up to twelve directory windows are visible at once so you can manipulate your files conveniently. Designed to use a minimum amount of precious RAM to maximize multitasking efficiency. Every aspect of the program can be customized to your needs and preferences. Includes a hard disk backup function. \$19.95

*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### DIGI-Mice

DIGI-Mice is a man-machine interface for the Amiga, for use in interactive hypermedia productions and performances. By emulating the mouse functions, DIGI-Mice software allows you to control virtually any video, music, or paint programs from the power glove. NTSC only, 68000 7MHz only, Nintendo power glove required, Workbench 1.3 or later. \$50.00

*Tensor Productions, 819 Gwyne Avenue, Santa Barbara, CA 93111; (805) 683-2165*

# Utilities

### DJHelper

DJHelper is a Preferences-like interface providing detailed control over all features of HP DeskJet printers. Four screens allow full specification of page parameters; selection of any typeface, character set, pitch or point; conversion and downloading of soft fonts; grayscale redefinition; free positioning of graphics; editing and downloading of Amiga and HP printer commands; complete control over the AmigaDOS command set; and more. AmigaDOS1.3/2.04 compatible, for any Amiga, and any HP DeskJet. \$50.00  
*Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580; (607) 648-4082*

### DiskKwik 2.0

A complete disk editor and repair kit for the Amiga. Features include Edit in Hex or ASCII, search, restore deleted files, repair errors, check-sum boot blocks, kickstart disks, and plus a lot more. Documentation describes disk origination and other aspects of AmigaDOS. Scans for errors. AmigaDOS 2.0 compatible. \$49.95  
*Tigress, P. O. Box 665, Glendora, CA 91740; (818) 334-0709*

### Diskmaster II

All the power of the bestselling original file/disk management utility, plus much more. DM2 offers resizable, movable, multiple file and command windows. Add or remove buttons and pull-down menus for a customized, optimized DM2, and save all settings for automatic use. Auto commands to automatically de-arc, display or read files. AmigaDOS 1.3 and 2.0, and ARExx compatible.  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### Doctor Ami...

Doctor Ami...is a memory and hard-drive diagnostic program that performs sophisticated, low-level tests on your system with an elegant interface, and simple controls and displays. Memory and drive errors are displayed, and mapped out of the system. \$49.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### Dunlap Utilities

A collection of over 40 interactive utility programs. Verify hard-drive errors, retrieve deleted files, and program your keyboard with macros. Bypass the Workbench or CLI with a better optimized, user-definable Amiga user interface. \$49.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### FastFonts

Set of utility programs designed to speed up text display. \$29.95  
*Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140; (617) 864-8595*

### Flicker Free Video Preferences

This new preferences program allows customization of the display. With a Fatter Agnus and this program, the vertical scan rate can be adjusted from 49Hz to 100Hz (or within limits of your hardware) to reduce flicker or increase number of scan lines. Workbench overscan can also be adjusted and maximized. From 2 to 16 colors can be set with Workbench 2. Can be used with or without display enhancer, although some features may be limited depending upon your hardware. \$29.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### GigaMem

GigaMem is the first commercial Virtual Memory utility ever made available for the Amiga. Already widely used on MAC/PC platforms, virtual memory utilities direct the operating system to treat free hard drive space as RAM, once all other RAM is used. GigaMem works with any Amiga using a

68020 or 68030 processor with an MMU and Kickstart 2.04 or later. GigaMem is fully accessible at all times and is completely transparent to system software and all programs loaded subsequently. \$149.95

*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### Hermes IconLab 1.3

Make your own icons. All icon/brush options (icon to brush, brush to icon, etc.) available. Shows/draws/paints icons in two to 16 colors. Shows and loads all disk font. Reduces IFF pictures to icon sizes. \$34.95  
*Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308; (817) 691-0964*

### Hyper Helpers v1.0

This package is a trio of ground-breaking, powerful programs that can make life easier for all Amigans. DOSHelp is a hyper-text based online help system for AmigaDOS (supports versions 1.3 and 2.0). LaunchPad is a user-configurable menu on Workbench: plug in the names of your favorite software applications, then select one from the menu and LP runs it, parameters and all. Run-N-Play is the do-it-all file requester. It plays sounds, shows pics, displays text files, launches executables, and more, all from one place. \$59.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### HyperCache Professional

HyperCache Professional was designed from the ground up to work with any device, regardless of the type of device or the filesystem being used. It has been tested on devices ranging from CLTD's ageing controllers to the latest CD-ROM systems, where it performs equally well. It functions well with the Old File System, the FastFile system, and even MS-DOS filesystems such as CrossDOS and MultiDOS. Users of Commodore's A590 system, which was shipped with a very slow XT drive, will be very appreciative of the performance levels not only in read speed, but also in seek times that are reduced to near-zero. Accelerated systems show even greater benefit, and to that end, we have supplied a custom 68030/68040 version as well. The software will automatically configure itself to a 512K cache which can of course be tailored in size to meet RAM restrictions as required. The cache size can also be increased where more RAM is available. \$49.95  
*Silicon Prairie, 2326 Francis St., Regina, SK S4N 2P7, Canada; (306) 352-0358*

### Installation 1-3

Lets you effortlessly install libraries, printer devices, and preferences to any disk or hard drive. Requires A500/A1000/A2000/A3000, mouse. \$14.95  
*Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia; 011-61-8-272-2302*

### KickWork 2.0 + DOS 2.0

Single-disk boot for the Amiga 1000. KickWork combines KickStart and Workbench on one disk, providing Amiga 1000 users with a single-disk boot system. A one-disk software system for unattended applications. Warm boot with any other Workbench. Reboots automatically, does not have to be re-armed. Requires A1000 with at least 1MB of RAM. DOS 2.0 (\$99) is supplied because customer is required to purchase DOS 2.0 as well. \$149.95  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
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### Mach IV

A keyboard and mouse enhancer that does much more than any other utility. Hotkeys play back keystrokes, mouse movements, and many special functions. Also includes a mouse accelerator, screen blanker, title bar clock, and much more. This 4.1

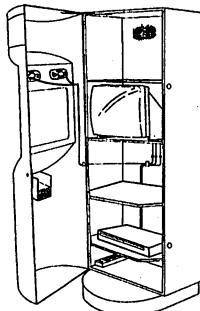
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InfoChannel is a registered trademark of Scala Inc.

Circle 101 on Reader Service card.

version runs only under AmigaDOS 2.04. \$15.00  
*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706; (208) 336-4583*

### REXX RAINBOW Library Series

The REXX RAINBOW Library Series is a complete product line of support libraries designed specifically for use with ARexx. The libraries are implemented as a support library, which is callable from both interpreted and compiled ARexx Programs. The REXX RAINBOW Library Series does not require REXX PLUS. However, as an added value to REXX PLUS users, all functions in each volume can be included as part of the language, and can be resolved as run-time library calls or as linker externals. Compatible with AmigaDOS 1.3, 2.0, and 3.0. \$48.00

*Dineen Edwards Group, 19785 West Twelve Mile Road, Ste. 305, Southfield, MI 48076-2553; (313) 352-4288*

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### STU-Amiga System Test Utility

STU is a complete diagnostic for memory and disks. Will test up to seven disk devices at one time. Fully tests chip and fast memory. No other diagnostic does as good a job. NTSC/PAL. Runs on all models, compatible with 1.2, 1.3, and 2.0 AmigaDOS. \$34.95 plus \$3 S & H. Users can receive free upgrades by calling support BBS.

*Custom Services, P.O. Box 254, Moorestown, NJ 08055; (609) 654-7659*

### Spells-It-Right

An interactive spelling checker with 50,000+ and 90,000+ word, fast, memory resident, compressed, and main dictionaries. No copy protection for easy installation to hard disks. Automatically backs up original files. User dictionaries for storage of unique jargon, names, and acronyms. Guessing for misspelled words. Executable from Workbench or the command shell. Reads and writes ASCII files for compatibility to editors and most word processors.

Money-back guarantee. Requires minimum of 512K, AmigaDOS V1.2 or later. \$9.95  
*Advanced Software Engineering, P.O. Box 441, Sudbury, MA 01776; (617) 963-8394*

### TURBO-Print-Professional

Gives you more from your printer. Combine your graphics software with TURBO-Print. Perfect printing quality and speed for your entire range of software. Finely adjustable color correction for true screen colors. Special half-line mode for dot matrix printers minimizes horizontal stripes between printed lines and takes full advantage of ink ribbons. Exceeds your printer's limits; print your graphics using post mode recreating actual poster size. Two optional smoothing functions eliminate steps and edges. Enhanced smoothing function even gives rounded effect to fonts. Varied preferences in over four menus. No more problems with contrast or brightness thanks to variable gamma curve and 12 optional patterns. Hardcopy functions with picture save option prints or saves the frontmost screen, including sections. Interrupt printing any time with touch of a button. High transfer speed to printer via parallel port reprogramming. TURBO-Print is reset-proof and functions unobtrusively in the background. Drivers for almost all printers. Ideal for matrix, laser, ink jet, and thermo printers in color or b/w. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. Australian dist. by GSOFT. \$79.00  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### The Application Base System (T.A.B.S.)

Allows you to set up menus that directly access your programs or files. The item's command value contains the specific path, command, and arguments of the program. You can easily define each menu from the T.A.B.S. window or with a text editor. T.A.B.S. provides you with a very easy-to-use menu facility that requires no programming experience at all. Requires ARexx, 1MB RAM, two

floppy drives or hard drive. AmigaDOS 1.3 or 2.0 compatible. \$49.00

*Software Plus, 5254 Merrick Road, Massapequa, NY 11758; (516) 795-1400*

### The Disk Mechanic

A collection of utilities for AmigaDOS versions 1.2, 1.3, and 2.0. The package includes tune up, a disk optimizer, which can speed up disk performance by 400%. Also included is a disk repair program, a full-featured disk sector editor, a hard disk back-up utility, and a dozen CLI based utilities. The disk mechanic supports all Amiga floppy and hard drives and the fast-filing system. Requires 512K RAM. \$89.95

*Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045; (215) 337-8770*

### WShell 2.0

Replacement command shell that offers command aliases, resident commands, and piping. CLI compatible, and supports ARexx. \$49.95

*William S. Hawes, P. O. Box 308, Maynard, MA 01754*

### Workbench 2.0 Enhancer Pack

A collection of 40 exceptional utilities, commodities, and miscellaneous enhancements for Workbench 2.04 and higher. Includes AmiDock, Degrader, GrabIFF, KCommodity, NoClick, PAL-NTSC, RemapInfo, ReOrg, SID 2, SuperDuper, ToolsDaemon, and 29 more excellent programs. NTSC. All Amigas. Available through retailers. \$15.95

*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133; (216) 582 0910*

### ◆ BACKING UP/COPYING ◆

#### ALF-STREAMER-Software

SCSI streamer driver with ALF backup, undelete, hard disk optimizer. NTSC/PAL. English/German manual. Workbench 2.0 compatible. \$45.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

#### DEEP SCAN BURST NIBBLER

Copy an entire disk in order under 60 seconds. Works with one to four drives. Copy up to 81 tracks. Easy to use, icon-driven program. Full verify option. \$34.95

*Rio Computers, 3310 Beruyck St., Las Vegas, NV 89121; (800) 782-9110*

#### EZ-Backup

Save up to 255 versions of each file. Eliminates the need to do full backups each time the incremental back-up disks begin to pile up. Features optional warning screen, volume label-checking, standard format, and individual file recovery. Multitasking. And provides archive-bit utilities. Not copy-protected. Free upgrades and telephone support. \$49.95

*EZSoft, 21125 Chatsworth St., Chatsworth, CA 91311; (818) 341-8681*

#### EnCopy

A diskcopy utility for making backups of Ensoniq keyboard disks using the Amiga computer. The Encopy package will back up SQ-80™, EP5™, and VFXsd™, and SD-1™ 3.5-inch floppies. Requires Workbench 2.0. \$39.00

*Bigfoot Software, 912 Karl Street, Green Bay, WI 54301-2225; (414) 435-4500*

#### Express Copy 1.5

A hard disk backup utility which can copy directories and files to floppy disk at up to 1MB/min. Backup disks are standard DOS disks that can be used normally from both Workbench and CLI. Can fill a floppy disk with files from your hard disk in 45 seconds. Designed for effective multitasking. Backup parameters can be saved in configuration files. Fully documented with a 65-page manual which includes a 25-page section with help and ideas on how you can better organize and manage your hard disk drive. New for Version 1.5 is support for the AE high-density floppy drive, extensive ARexx support, and a CanDo application to take

#### Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Utilities

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

advantage of the new AREXX features. AmigaDOS 2.0 compatible. \$49.95  
*Express-Way Software, Inc., P.O. Box 10290, Columbia, MO 65205-4005; (314) 474-2984*

## FatTracks V2.0

An upgradeable nibbler, this backup utility will allow you to make archival backups of many of your protected software that uses non-standard DOS. FatTracks was designed to complement RawCopy. Over 400 parameters. \$59.95  
*Micro Systems International, 1143 Monroe Street, Carleton, MI 48117; (800) 944-3410 sales*

## FlashBack

Back up any hard drive to any AmigaDOS Service. Supports file-by-file and image backups. Backs up non-AmigaDOS partitions such as A-MAX II or UNIX. Allows unattended, automatic backups. Back up to service or file on device for space conservation. Graphic, easy-to-use interface. Powerful pattern matching. Supports streaming tape backups. \$59.00  
*Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244; (214) 702-9191*  
*Please contact AC before calling this company.*

## MRBackup Professional V1.14

MRBackup professional is a full-featured hard disk backup program supporting Fast Disk, SCSI Tape and AmigaDOS backup modes. Other features include: Intuition '3-D' user interface; data compression/decompression, file selection filters and interactive file selection; rich AREXX command set providing access to virtually all MRBackup features and supporting automated backups and restores; built in file management utilities; supports multiple savesets on a single tape as well as savesets that span multiple tapes; integrated AmigaGuide™ online help; compatible with AmigaDOS 1.3 through 3.0; demo disk available. \$25.00  
*MRSoftware, 348 Indian Ave., Portsmouth, RI 02871; (401) 846-7639*

## Project D

Integrated disk utility system. Includes The Backup Tool, disk copier. Copies most protected disks with parameters updated regularly. The Omni Tool, a special format copier, duplicates MS-DOS/PC-DOS, Atari-ST, CP/M, and Xenix formatted disks. The Editor Tool, powerful disk-editing utility, allows you to edit Amiga disks from AmigaDOS to MFM Catalog Tool; disk indexing utility helps keep track of personal, commercial, and public domain disks. \$49.95

*Fuller Computer Systems, 950 East Southern Ave., #205, Mesa, AZ 85204; (602) 844-8709*

## Quarterback 5.0

Upgrades and enhancements to Quarterback are based on user requests. New features: integrated streaming tape backup, compression, new backup and restore options, optional password protection and encryption, Workbench 2.0 and full AREXX support. Improved features: increased performance, extremely fast floppy disk backup, new user interface with 3-D look, backup and restore up to four floppy drives, file selection versatility. Requires Kickstart 1.2 or later, and 512K memory. \$75.00  
*Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716; (512) 328-6650*

## RawCopy Version L

Ultra-powerful backup tool for your Amiga. De-protects many of your favorite programs. Supports up to four 3.5-inch disk drives. Mouse-driven user interface. The only backup utility with over 500 parameters. \$59.95

*Micro Systems International, 1143 Monroe Street, Carleton, MI 48117; (800) 944-3410 sales*

## SuperBack

Protect data stored on a hard disk, RAM disk, or network device. Select or copy any or all files or directories onto floppy disks. Data may be restored selectively by file, directory, or device. All features accessible from key commands or mouse. Clear screens and menus, concise manual, and in-depth tutorial with step-by-step back-up instructions.

Australian users see Australian address in Vendor Information. \$39.95  
*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

## The Reaper

With standard ASCII text parameter files, the Reaper can find shifted sector headers, find transposed sector header fields, edit MFM/GCR raw track data, and edit decoded track data. It installs on a hard disk and is not disk protected. Execute custom programs from parameter files and assembly language. \$39.95  
*Conceptually Advanced Technologies, P.O. Box 3302, Santa Monica, CA 90403; (310) 452-1732*

## Ultra DOS Utilities Module 1

A high-speed whole hard drive backup with multifunction feature. Ultra DOS autoconfigures to multi-hard drive systems or multipartitions. Features a unique double-buffered file copy routine for lightning-fast copies. Supports up to 8.5MB of memory and a full Intuition interface, and fully supports multitasking. Does not monopolize the CPU to achieve its speed. You can back up files by creation date, wild cards, or with a point and click menu. Requires 512K and hard drive or dual floppy drives. AmigaDOS 2.0 compatible. \$19.95  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650*

## X-Copy Tools

X-Copy Tools is complete rewrite of X-Copy with many new features. XCopy Tools retains all the features of XCopy Tools Plus with exception of the bit copier Cyclone and its special hardware device. For all Amigas, 1MB recommended, two floppy drives or one floppy drive and hard drive. AmigaDOS 1.3/2.0 compatible. Current owners of any previous version of XCopy can upgrade to XCopy Tools by sending their original disk with payment (check or money order only, no charge cards) of \$25. \$49.95

*Cachet Software, P.O. Box 65, Scotch Plains, NJ 07076-0065; (908) 322-2002*

## X-Copy Tools Plus

X-Copy Tools is complete rewrite of X-Copy with many new features. Contains essential utility programs. Cyclone: Bit copier with new hardware device (older XCopy hardware versions will not work with new Cyclone) lets you back up protected software for archival protection. XCopy Pro: Lightning-fast backup for original non-protected software and data disks. Express: For easy backup of hard drives. QED: Easy-to-use, powerful text editor. XLENT: Disk management system that frees you from CLI commands. Other features include fast single or multiple copies in 48 seconds, fast formatting in 36 seconds, disk optimizer, personal disk locking and protection, and all-new Boot Virus Checker. Contains manual on disk; may be viewed on screen or printed. Current owners of any previous version can upgrade by sending in original disk with \$40 (check or money order, no charge cards). For all Amigas, 1MB recommended, two floppy drives (one must be external), hard drive recommended but not required. AmigaDOS 1.3/2.0 compatible. \$79.95

*Cachet Software, P.O. Box 65, Scotch Plains, NJ 07076-0065; (908) 322-2002*

## ◆ CRYPTOGRAPHY ◆

### LuCypher 1

Fast file encryption/decryption package with convenient Workbench interface for general file security and telecommunications security. Employs simulation of rotor-type crypto machine with 16-character key for high speed and solid cryptographic security. Upgradable to LuCypher 2. AmigaDOS 1.2-3.0 compatible. For sale in U.S. and Canada only. \$5 shipping in North America only. \$49.95

*MegageM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

### LuCypher 2

Complete RSA public key cryptographic system based on prime number product keys up to 300

digits long. Fast and efficient implementation for Amiga (assembly language). Ideal as key management upgrade for LuCypher 1. Includes LyCypher 1. For sale in U.S.A. and Canada only. State-of-the-art telecommunication and file security. AmigaDOS 1.2-3.0 compatible. \$5 shipping in North America only. \$199.95

*MegageM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

## ◆ DOS CONVERSION ◆

### 64 Emulator 2

Optional interface cable lets you use any Commodore 64 disk drive or printer. \$59.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

### Ambassador

Improves file transfer capability for both the bridgeboard and the Amiga in a transparent fashion. It is based on the product CrossDOS (MS-DOS file system), and is 100% software. No additional hardware to buy or install. The Ambassador provides enhanced bridgeboard features: Directly access the Amiga-connected floppy drives as MS-DOS drives from within most MS-DOS programs. Receive speed increase when using our version of the PC virtual hard drive partitions. It provides enhanced Amiga features: Access MS-DOS formatted media on Amiga drives. Access bridgeboard-created virtual hard drive partitions (such as MakeAB and JLink files). CrossDOS owner upgrades are available. Requires A2088 or A2286 bridgeboard or sidecar. AmigaDOS 1.3 or 2.0. NTSC/PAL, international and Danish/Norwegian translation tables (for text) supported. \$79.95

*Consultron, 8959 Ridge Road, Plymouth, MI 48170; (313) 459-7271*

### CrossDOS Version 5

MS-DOS file system. The program allows the user to transparently access MS-DOS or Atari ST formatted disks from any application or utility including file requesters. CrossDOS fully integrates itself into the Amiga operating system. It will perform virtually all DOS functions on standard Amiga hardware. It uses standard Amiga-connected 3.5-inch and 5.25-inch floppy drives to read and write 180K, 360K, and 720K MS-DOS/Atari ST disks. It will also access 1.44MB floppies with special drive hardware and will also access most MS-DOS formatted hard drives. CrossDOS includes utilities to format diskcopy, and check the integrity of MS-DOS disks. AmigaDOS 2.0 compatible. Packaged together with CrossPC in a product called CrossDOS 5.0 Plus for a limited time. \$59.95

*Consultron, 8959 Ridge Road, Plymouth, MI 48170; (313) 459-7271*

### CrossPC

CrossPC is a software PC-XT emulator that runs many popular PC programs while multitasking with Amiga software. CrossPC emulates a PC-XT entirely in software—no additional hardware to buy. Emulates CGA or monochrome, and regards the parallel, serial, and mouse ports as PC devices. Runs on any Amiga with at least 1.5MB RAM using AmigaDOS 1.3 or 2.0. Also requires MS-DOS version 3.0 or higher. Packaged together with CrossDOS V5 in a product called CrossDOS 5.0 Plus for a limited time. \$59.95

*Consultron, 8959 Ridge Road, Plymouth, MI 48170; (313) 459-7271*

### DOS-2-DOS 3.5

Transfers files between MS-DOS, Atari, and the Amiga. Reads/writes and formats 5.25 and 3.5 MS-DOS disks and Atari ST 3.5 diskettes. Converts ASCII file line ending characters and provides Wordstar compatibility. Query/replace options provide duplicate file name detection. Supports full directory path names, with wild cards in the file names, allows selection of MS-DOS and AmigaDOS subdirectory, and displays sorted directory listing. \$55.00

*Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716; (512) 328-6650*

## MAC-2-DOS 1.1

Lets you read and write Macintosh diskettes on your Amiga, to and from 400K and 800K, using a standard Mac-compatible 3.5 external disk drive connected to your Amiga via the CCS interface. Converts MacPaint files to and from IFF and Mac ASCII files to and from Amiga ASCII. Other conversion options are PostScript, Machinery, and standard binary. As it transfers files, MAC-2-DOS automatically transfers and converts icons for the files, or creates icons. \$99.95

Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716; (512) 328-6650

## ◆ FILE MANAGEMENT ◆

### DFL-Demand File Loader

With Demand File Loader, no need to pre-load the RAM disk. Only copies files into the RAM disk when the need arises. Senses the need by using the search path or is solicited directly. Transparent to AmigaDOS in that files in the RAM disk may be accessed through it. Useable by CLI and application programs that can be told where to access files. \$50.00

Markotron Microcomputer Systems, 125 N. Allen Ave Ste. 324, Pasadena, CA 91106; (818) 584-0873

### Directory Opus v4.0

A full-featured, multi-functional directory utility. Provides all standard dir util features such as two directory windows for file copying and deleting, renaming, and so forth. Features include IFF pics, brushes, and ANIMS that can be viewed, sound files played, text files read, and executables launched, all simply by double clicking on the filename in the directory window. Opus is exhaustively configurable, with unlimited user-definable buttons and menus. Includes online help for all features (as well as for AmigaDOS error codes). Provides memory and CPU usage meters and an AREXX port, is iconifiable, and much more. Directory Opus 4.0 now supports all Amiga graphics hardware, including the AGA and AA chipset used in the A4000 and A1200. graphics and audio support has also been expanded. Now you can use Directory Opus 4.0 to play ANIM and Anim Brush files, or view images saved in all ILBM formats. You can also play sound files stored as Noisetraacker, Soundtracker, ProTracker, MED w/MIDI, 8SVX or RAW data. Together with expanded AREXX support, Directory Opus now has a convenient hotkey feature for launching any Amiga application from the keyboard, so long as Opus is either running or iconified. Other new features include improved documentation, players for CanDo decks, and a completely revised approach to using system resources. Instead of loading the entire program at once, Opus now runs individual functions as they are called for. Requires AmigaDOS 1.2 or higher. 1MB required. Australian distributor: Left Side Software. \$99.95

INOVAtronics, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991

### Disk-Master

File management software. Allows you to view and manipulate up to 80 files and directories at once. \$49.95

Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555

### GigaMem

This program simulates up to 1GB of memory and swaps onto any mass storage system (e.g., hard disk). Intelligent management accomplishes simultaneous use of several programs in multi-tasking mode. Comfortable 2.0-style preferences utility, easy installation program, display of available memory on Workbench title. Select English, French, or German. For all Amigas with MMU, any HD controller or hard disk, AmigaDOS 2.0 and Kickstart 1.2 or higher compatible. \$98.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696

## Hard Disk Organizer (HDO)

This new menu program for the Amiga allows applications and games to run with a single click of the mouse. Each button can be programmed with up to eight AmigaDOS commands, so you can include the ASSIGN, SET, and CHANGE DIRECTORY commands necessary to run applications. Each button can also be assigned one of 10 different colors, allowing grouping of applications. Features include an unlimited number of buttons, AmigaDOS command compatibility, Pause command (which allows multi-tasking programs to run before returning to HDO), Swap command (which allows button positions to be swapped to better organize applications), and Release 2-compatibility. New version 3.03 features include password protection, sleep command, user configuration menu, advanced users manual, and PAL compatibility. \$44.95

Display Systems International Inc., 147 West Main Street, Dayton, PA 16222; (814) 257-8210 USA

## Quarterback Tools 1.5

Quarterback Tools maximizes the speed and reliability of your Amiga hard disks and floppy disks by repositioning your files to optimum locations on the disk, eliminating file fragmentation, and consolidating disk free space, achieving the fastest possible disk performance. Quarterback Tools recovers deleted files easily and safely and unformats disks you formatted by mistake. It searches the entire disk for errors, marks bad areas 'out of service,' and identifies affected files. \$89.95

Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716; (512) 328-6650

## ◆ VIRUS PROTECTION ◆

### Anti-Virus

Anti-Virus is a virus protection software package with a unique feature that should stop the proliferation of any Amiga computer virus—a visual anti-virus bootblock. The visual bootblock displays the Anti-Virus logo on the screen every time an Amiga is turned on or warm booted. If a virus is present when the computer is started, the logo will not appear. Comes with a utility, vCheck, that monitors virus transmission paths. The utility is placed in the Amiga startup-sequence and monitors each disk placed in the user's Amiga. Also comes with vTrojan, the only Trojan horse protection utility available, and ships with a bootblock cataloging program. AmigaDOS 2.0 compatible. \$19.95

DevWare Video, 12520 Kirkham Court, Ste. 1-AC, Pouay, CA 92054; (619) 679-2826

## KDV V Version 2.04 1.15

This virus killer is useful for busy people. The check routine searches out both boot and non-boot viruses, and runs like lightning. Has good analysis routine which finds several unknown viruses. Recognises 60-100 viruses. Includes following good-quality tools: Hard disk virus brake to effectively prevent viruses from infecting your hard disk, background check to continually survey stored media such as changed disks, RAM, etc., and hard disk check for non-boot viruses. \$12.50, shipping \$3.

TUPsoft c/o Mike Hansel, P.O. Box 1785, Seven Hills West NSW 2147, Australia; 011-61-2674-2723

## Master Virus Killer Version 2.2

Latest version of this virus killer (2.2) knows 152 viruses. All versions (1.0-2.2 and later) are shareware in U.S.A. and all countries except France, United Kingdom, and Germany for V2.2. Shareware price £5, shipping £3.

Xavier Leclercq, Vieux Chemin d'Ath No. 12, OB-7548 Warchin, Belgium

## Zero Virus III Version 1.12

This virus killer can cope with about 86 boot viruses and 4 non-boot viruses. Has learning function which enables it to learn new boot viruses. Has hard disk check against non-boot viruses, but

without learning function. An excellent killer. Shareware price more than £50, shipping £3. Jonathan Potter, P.O. Box 289, Goodwood SA 5034, Australia

## ◆ SCREENSAVERS ◆

### NightFX™ Screensaver

Multimodule screensaver gives Amiga users a number of different animations, unique nonrepeating color cycling effects, moving starfields, and moving kaleidoscopes that pop up if computer is idle for some specified time. Also provides users with open architecture so they can import their own screen effects and IFF graphics. Set up your own parameters for different effects included with program, set activation time and enjoy. Includes password for securing computer when NightFX are on. AmigaDOS 1.3/2.0 compatible. Hard drive installable.

Pacific Digital FX, 6 Stetson Ave, Kentfield, CA 94904; (800) 800-2448

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## Table of Contents

How To Use  
This Guide

Graphic-Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home  
Productivity

Programming

Utilities

Entertainment

Miscellaneous  
Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous  
Hardware

CDTV

Accessories  
& Services

Books & Tapes

Freely Redistributable  
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Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue  
Index

Vendor/Product  
Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index  
by Product

Product Index  
by Vendor

Category Index

Last Minute Additions

# Graphic Arts

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

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—Graphic Arts continued from p.18

### GenAplot

High-level plotting tools for creating scientific, engineering, and business charts and graphs from user data. Pull-down menu/requester interface. Wide variety of file formats, 16 colors in hi-resolution, multiple output devices, and standard graph formats. \$99.95

*Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431; (513) 427-5439*

### Image Review System-Tele-Digitizer, Tele-Radiology

The IRS line of TeleRadiology systems are custom, turn-key digitizing and image processing stations. They allow a hospital, clinic, or doctor to digitize medical films and send the patient images over telephone lines or through an ethernet cable to a receiving system. Comes complete with computer, monitor, digitizer and software. FDA-approved for marketing.

*National Diagnostic Imaging, P.O. Box 5501, Vienna, WV 26105; (304) 428-6214*

### Mandelbrot Variations

Mandelbrot Variations contains 23 commented formulas for Doug's Math Aquarium, and 19 of them include pictures. Covers most

of the profound ways of viewing the Mandelbrot set, including binary expansion technique, continuous potential methods, differential angles, differential radius techniques, and others. Requires MathVision to run. \$49.00

*Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368; (206) 385-1956*

### MoG

Full-featured molecular graphics program ideal for senior high and university students, teachers, and researchers in Chemistry, Biology, and Biochemistry. MoG allows real-time manipulation of stick models of molecules using double-buffered animation. Allows PostScript, EPSF, HPGL, and IFF-ILRM plots to be produced and allows measurement of distances, angles, and torsion angles as well as modification of the chemical structure. Space-filling pictures may be created using ray tracing or quick preview. NTSC/PAL. Requires 1MB, 1.5MB or more recommended; two floppy or hard disks recommended. Math coprocessor required for CoPro version; Lattice C required for Link Library version. Basic version: \$200; CoPro: \$300; Library: \$475. (40% academic discounts)

*SciTech Software, 23 Stag Leys, Ashted, Surrey KT21 2TD, England; 011-44-372-275-775*

### Multiplot XLNF

A scientific data plotting environment capable of producing publication-quality graphs with asymmetrical errors in x and y, multiple y-axes, log, linear, and category axes, alignment tools, clipboard and AREXX support. Multiple graphs may be open at a time, allowing cutting and pasting between windows and picture-in-a-picture plots. NTSC/PAL. Requires 1MB, Workbench 2.0 or higher. \$30. All distribution from U.K. Accept U.K., U.S., and Australian checks.

*Dr. Alan G. Baxter, Cambridge Univ., Dept. of Pathology, Tennis Court Road, Cambridge CB2 1QP, England; 011-44-223-337-733*

### Snip

Version 1.23 with beta version 2.0. Object-oriented data acquisition, display, and analysis program designed for speed and efficiency. Dataset size limited by memory (4 bytes per point). Displays up to 25 channels on screen (approx. 3000 points per second on 2500/030). Additional scrollable windows display zoom to any resolution. Point and process (100+ functions including FFT, statistics, signal and peak detection). Load and save binary or ASCII data. Conversion utility translates binary from most PC digitizer file formats. Custom interface for adding user functions. NTSC/PAL. Faster machines with hard drives, coprocessors, etc., recommended for large data sets. All versions 99% compatible with V2.0. A/D requires hardware (ACDA Proto-40k and ASDG Twin-X with SBX-311 supported for 12-bit, 16-channel A/D at 30 kHz throughput). \$1000.00

*Digital Dynamics, 739 Navy Street, Santa Monica, CA 90405; (310) 396-9771*

### The Engineer's Toolbox-Volume 1, Graphic Tools

Volume 1, Graphing tool of the Engineer's Toolbox is a bundled software package composed of the The Aplot Library, ConvertAplot, and GenAplot. See other Engineer's Toolbox's. \$149.95

*Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431; (513) 427-5439*

# Entertainment

## ♦ ENTERTAINMENT GENERAL ♦

### 1990 College League Season Disk

Be the team of your choice as you compete in last season's NCAA Tournament. It comes complete with the actual teams, players, and statistics from the 1990 college basketball season. You must already own the College League Option Module for this disk to operate properly. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207*

### 3 In 1 Football

Statistical simulation of College and Pro football. Includes over 300 College, Pro, and great past teams. \$39.99  
*Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040; (812) 438-3733*

### 3-D Pool

3-D Pool is different from other billiards simulations. One difference is that no cue stick is shown on screen. Instead of lining the stick up to the ball and shooting, with perhaps one or two angles from which to examine the shoot, 3-D Pool does away with the cue stick. Player can rotate the table, providing unlimited angles of view for any shot. Cue ball is always in center of screen, and shots are made by lining up the object ball(s) with the cue ball. Players have complete control over position of the cue, amount and type of English on the cue ball, and the power behind each shot. 3-D Pool follows Monte Carlo, or European rules, instead of standard American regulations. Players in 3-D Pool can participate in practice games, two-player matches where they can take on a friend, or even in a tournament against computer players of varying skill levels. 3-D Pool also includes demo game and special trick shot feature, where players can try to solve 20 of the most difficult and popular trick shots in billiards. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

### 4-D Boxing with Tru-Motion

Designed by Distinctive Software Inc., 4-D Boxing uses actual human boxing motions, 3-D polygon graphics, and state-of-the-art animation to bring you fluid, lifelike, boxing movements. Create up to ten personalized boxers. Customize their skills and physical characteristics, and train them at your gym to build power, speed, and stamina as you fight your way up the championship ladder for headlines and prize money. For one or two players. Nine adjustable camera angles give every possible fighter or spectator view. Video replay and slow motion for review of action. Supports Amiga 500,1000,2000,2500,3000:1MB req'd; Kickstart 1.2 or more req'd; joystick optional. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

### 4th & Inches

Joystick-controlled football simulation with spotter's P.O.V. from the press box. Players' energy levels decrease according to plays. You choose the starters. Each player has his own individual playing characteristics. \$19.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

### 4th & Inches Team Construction Disk

Used with 4th & Inches, assemble your own teams for play. Assign all the stats, sizes, and playing characteristics of each of your 4th & Inches players. \$9.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

### 500cc Racebike Simulation

Rev up and roar off with this screaming simulation

of 500cc road racing machines. This simulation offers full 3-D graphics with separated split screen perspective, sprite trajectory calculation, and speeds in excess of 200 m.p.h. This is the real thing; you will be on the track, you will have to race your opponents, and you better be good! Test the nerves of another player, or challenge the six computer-controlled bikes across a choice of 12 genuine Grand Prix racetracks. Choose your bike and tune it up to perfection by modifying transmission, suspension, and tires. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

### 688 Attack Sub

Players experience the actual dilemmas faced by modern submarine commanders. In peacetime, players hunt and dodge foreign subs while trying to avoid ambiguous gestures that could lead to a shooting match with an opponent. You walk the razor's edge between practicing for war and actually starting one! As cold war turns into full war, missions become increasingly dangerous. Players stalk ballistic missile submarines, attack enemy convoys, and duel other hunter-killers to the death. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

### A-10 Tank Killer Version 1.5

Captures the fierce battles of the Persian Gulf war. Lets you maneuver the enormous A-10 aircraft over ground battles inside the Iraqi border. New realistic flight modeling, authentic sound effects, and action-packed stereo soundtrack. Includes the 14 original A-10 missions and detailed A-10 information to help pilots navigate. This is first Amiga flight simulator that can fly in any of seven user-selectable video configurations, including 32-color and Extra Half Brite modes. Impressive 4096-color HAM screens and light-source-shaded polygons used. Analog joystick support. Requires 1MB, hard disk or dual floppy drives, Kickstart and Workbench 1.2 or higher. Recommend 16 MHz or faster CPU, fast RAM. \$59.95  
*Dynamix, division of Sierra On-Line, 99 W.10th, Ste. 337, Eugene, OR 97401; (503) 343-0772*

### A-Train

Simulation game based on trains, cities, and money. Start by designing and managing an efficient, profitable transportation system for both passengers and freight. Next, influence and control the growth of a city by investing in and building, apartments, factories, golf courses, more. Then, borrow from the bank to expand your real estate holdings, and invest in the stock market to build a financial empire. 1MB, hard drive recommended. \$69.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700*

### Abyss

An unusual arcade/strategy game with colorful, scrolling graphics, and amusing sound effects. Score points by guiding the 'hustle-sweeties' into the abyss and locating the life-giving liquids. Work through mazes, avoid traps, and hostile attacks. Requires 1MB of memory. \$39.95  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650*

### Action Fighter

You are Super Rider, assigned to carry out five dangerous air and ground battles in this Sega arcade game. You're riding a motorcycle, but if you find the right parts along the road it transforms into a supercharged sports car or state-of-the-art airplane. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

### Action Stations

An extensive and detailed look at the surface officer's art of war at sea from 1922-1945. The program offers 30 ready scenarios, a scenario builder, and 180 plus ship/unit classes. Ship detail includes 42 hit zones and 14 armor locations. As many as 49 ships in one scenario. Requires 1MB. \$29.95  
*R.A.W. Entertainment, 957 NASA Road One, Ste. 146, Hpuston, TX 77058; (713) 286-2386*

### Action Stations Scenario/Utility Disk

To be used in conjunction with Action Stations; includes two utilities (swap-add program and generate program), 28 additional ship classes, and 13 new scenarios. Includes 3.2 upgrade disk. \$14.95  
*R.A.W. Entertainment, 957 NASA Road One, Ste. 146, Hpuston, TX 77058; (713) 286-2386*

### Adventures of Willy Beamish

From designer Jeff Tunnell comes an original adventure comedy which may well become the benchmark of computer animation. Adventures of Willy Beamish boasts hilarious insight and light-hearted 3-D animation with a sensational music card compatible soundtrack. Adults and kids will love Willy's zany antics, his peculiar family, and the host of geeks, freaks, animals, and creeps. \$59.95  
*Dynamix, division of Sierra On-Line, 99 W.10th, Ste. 337, Eugene, OR 97401; (503) 343-0772*

### After Burner by Sega

Pilot an F-14 Tom Cat through a variety of exciting rescue missions in the home-computer version of Sega's arcade smash hit. Feel the power and the rush of being airborne as you control air speed, flight direction, and weapon selection. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

### Agony

From the programmers of Unreal comes a new adventure full of magic, mystery, and mayhem. As Leffly, heir to the secret of universal energy, you will fight your way through six agonizing levels of magical mayhem. Confront your chilling challenges in human form, take flight as an arcane owl, or battle your enemies in the form of a gruesome ghost. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

### Air Force Commander

Command an entire air war in this complex military simulation. Control dozens of planes in real time. 28 Middle East scenarios, easy-to-use interface, and digitized sound. 1MB, one disk drive, system version 1.2 or higher. International support. \$59.95  
*Impressions Software, 7 Melrose Dr., Farmington, CT 06032; (203) 676-9002*

### Air Support

Future warfare has become too dangerous and threatens mankind's survival. Conflicts between world powers are now resolved by computer simulation. You create a campaign with up to 16 different vehicles. Survey the battlefield using real time overview maps, formulate defenses for various terrains and resources, and deploy your force of battle vehicles. Jump into first person perspective of your deployed vehicles or instruct battle simulation computer to execute your programmed battle plans. Has software system for using 3-D glasses. Requires 512K and joystick, Kickstart 1.2 or higher. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

### Airball

The Evil Wizard has turned you into an Airball—

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

with a slow airleak. You must search over 300 rooms to find the spellbook, which contains the ingredients needed to turn you back into a human. Hurry, before you run out of air. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Airwave Adventure: Murder Makes Strange Deadfellows

Dark clouds gather like mourners at the ancestral home of Randolph Steere, patriarch of the Steere family. As the mighty fall, so falls Randolph, right down the staircase within his mansion. But, he really left the world five years ago when he lost his wife Irene. Strange stories have grown up around this ominous place since Randolph secluded himself here and no one can say what will happen now! Try to discover Randolph's last wishes and find out if ghosts really walk in Steer manor in this comedic thriller. Available for CD-ROM, NTSC/PAL. See CDTV section. \$49.95  
*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040; (213) 721-8282*

## Airwave Adventure: The Case of the Cautious Condor

Tiger Media's breakthrough interactive mystery is now available for the Amiga! Explore hundreds of images, hours of audio, and thousands of possibilities. Can you discover the solution? Join Ned Peters, detective, and a colorful cast of suspects on board the 1937 maiden voyage of the Condor. You have 30 minutes to solve the crime on this thrilling flight into history and murder. Available in PAL/NTSC. See CDTV section also. \$49.95  
*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040; (213) 721-8282*

## Alien Syndrome by Sega

Aliens have taken over an out-colony and are holding your friends hostage. In this Sega arcade game, you'd better move fast—because soon a time bomb will get all of you. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Altered Beasts

Summoned by Zeus, God of Thunder, you have been awakened from the dead to challenge the wicked Neff, God of the Underworld, for the fate of Athena. You are the Altered Beast bestowed with five formidable forces of transformation—each more ferocious, more overwhelming than the last. In this worldwide arcade hit you destroy Grave Masters, Chicken Stringers, Cave Needles, and other treacherous foes. \$39.95  
*Sega, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Altered Destiny

P.J. Barrett's intentions to spend the evening watching a film festival on television with his steady girlfriend are drastically changed. The moment he settles down with his popcorn in front of his television set, he is literally sucked through the screen, popcorn included, into a fantastical alternate world unlike any he could have ever imagined. In this other world P.J. meets JonQuah, who sends him on a mission to find Helmar, JonQuah's twin brother. Helmar has been corrupted by a jewel whose powers are destructive and are slowly destroying their universe. P.J. must search this strange world to find Helmar, ultimately separating him from the jewel and returning it to its rightful place. If P.J. fails, this world will not only cease to exist, but he will be unable to return to his own. \$59.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Amazing Spider-Man

Mysterio, the master criminal and illusionist, has kidnapped Peter Parker's wife, Mary Jane. To rescue her, Peter Parker calls on his alter ego, the Amazing Spider-Man. As the famous web-slinger, you'll invade Mysterio's lair to battle the supervillain's robotic guards, tricks, and traps. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Amegas

Amegas is a fast-paced game written to take full advantage of the Amiga's amazing speed, graphics, and sound! Bounce, shoot, slam, and juggle your way through 40 challenging screens. Every screen has its own surprises and it will take quick reflexes to deal with all the action, sounds, and sights! \$14.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Amnios

Amnios is a Symbiotic Construct of Machine-Mind and Biology. Each element is a disparate cell in an organism sharing one consciousness and purpose: to eradicate the malignancy that threatens all of Life. Controlling a tiny ship, you fight your way through each of ten deadly living worlds trying to either destroy the planet's vital organs or rescue a given number of encapsulated humanoids. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## An American Tail

For ages seven and up. Join Fievel Mousekewitz in his quest to reach his family and foil the fiendish schemes of the Mott Street Maulers and the Cat R. Waul gang. Fievel strives to run the cats out of the mean streets of turn-of-the-century New York City, then finds his pal Tiger and hero Wylie Burp to stop the giant mousetrap and win an Old West showdown. \$44.95

*Capstone, A division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900*

## Apprentice

Jump 'n Run Adventure! Lots of levels, including hidden levels and rooms, which can only be entered after solving different puzzles. \$29.95  
*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434*

## Aquaventura

Aliens take over Earth and destroy your mother ship. As the only surviving human, you return in your Aquacraft to relentlessly attack the evil Sprucian invaders. Battle your way through all their defenses until you reach their Enemy Weapons Depot. Ray traced action movie introduction, 10 increasingly deadly levels of non-stop action with 3-D sprites, real-time vector graphics, and digital stereo sound. Requires 512K and joystick, Kickstart 1.3 and higher. \$49.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Arachnophobia

Disney has combined arcade action and strategy games in one exciting outing with Arachnophobia. Playing off people's fear and dread of spiders, you can wipe out a hoard of highly venomous South American spiders using flamethrowers, bug-bombs, and insecticide. If you are able to outwit these dangerous fiends, you'll earn a top secret assignment in South America where you will face the ultimate eight-legged challenge. Arachnophobia takes you through thousands of locations in your search for these eight-legged demons. Eight levels of increasing difficulty and 12 different varieties of spiders will challenge even the best game players. \$39.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521; (818) 973-4390 sales*

## Arcade Action Pack

The Arcade Action Pack is a five-disk compilation of 16 of the best public domain and shareware arcade games for the Amiga. This select set contains Air Ace 2, Amoeba Invaders, Bally V, Crackout, Defender, Downhill Challenge, Drip, Fortress, HeadGames, HueyRaid, MegaBall 2.0, MiniBlast, Missile Command, Nebula, MoonBase, and Trek. Available through computer retailers. NTSC. Requires one floppy drive. For all Amigas, 1.3 and 2.0 compatible. \$15.95

*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133; (216) 582 0910*

## Arcade Action Pack 2

Features a baker's dozen or more of the best arcade games available for the Amiga. Included are Amigoids, Batman, Doctor Who, Intruder Alert, Llamatron, Maijcsae, Mother Lode, Peter's Quest 1.2, Poing, Revenge of the Mutant Camels, RingWar, Rocky, Viper 1992. NTSC. All Amigas, 1.3 and 2.0 compatible. Available through retailers. \$15.95  
*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133; (216) 582 0910*

## Armour-Geddon

Post Holocaust: A powerful crazed entity desires control of earth. They develop an energy beam and intend to bounce it off a custom built satellite back to earth. All unprotected life will be wiped out. You select and control up to six diverse hi-tech vehicles at once in a race against time to seek and destroy enemy power lines and eventually knock out their beam generator. Build up your arsenal by collecting enemy resources to help develop and create your own new weapon systems. Featuring smooth scrolling, 3-D heads up displays and head-to-head serial link enabling 'being there' realism between two players. \$49.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Arthur: The Quest for Excalibur

In Arthur: The Quest for Excalibur, players get the chance to fulfill their destiny as they assume the role of the youthful Arthur on a quest for Excalibur, the legendary sword that will make him King of England. Arthur brings Arthurian legend to life with rich, evocative prose, mythic characters, and more than 100 captivating graphics evoking medieval England. As an eel, owl, salamander, turtle, or badger, players can go places and do things that would otherwise be impossible. How players use this power, and how they solve the myriad puzzles that confront them, will determine the success of their quest. \$29.95

*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049; (310) 207-4500*

## Artura by Arcadia

Arcade adventure in days of old! As Artura, you must maneuver the mystical wheel of Cerridwen to rescue Nimue, the beautiful keeper of the secret of the lost ancient treasures, from the stronghold of the evil half-sister, Morgause. Overcome ghouls, spiders, soldiers, and giant rats to find the mystic rune stones which will help your quest. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710*

## Assassin

Foul and disgusting Midan, tyrant of the highest order, lies hidden deep within his underground complex. The security forces have lowered you, the Assassin, deep behind enemy lines to find the source of Midan's strength and destroy it. Face overwhelming odds that include Midan's loyal forces, vicious dogs, rogue machines, traps, and more on the mission of a lifetime!

*Team 17 Software, Prospect House, Borough Road, Wakefield, W. Yorkshire WF1 3AB, England; 011-44-924-291-867*

## Atomino

A brain-teasing game, featuring an orchestrated stereo soundtrack, and offering crisp graphics and intuitive gameplay. In this innovative hybrid between dominoes and an electronic brain-teaser, you play the role of a mad chemist. Your objective is to form molecules from the atoms which spontaneously generate in your test tube. However, the road to this deceptively simple goal is littered with increasingly difficult restrictions, including specifications on the finished molecule's size, the shape of your creations, and the omnipresent ticking of the clock. Over 60,000 levels. \$49.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Aussie Joker Poker by Joker Software International

A computerized card game where the computer acts as dealer and croupier, while up to 90 players compete against one another. Purchasers who

believe they are among the top 25 poker players are able to play in a special competition mode and may enter their scores for consideration in an Aussie Joker Poker Hall of Fame. \$14.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Autoduel

Build the biggest, baddest, heaviest armed car you can to carry out an FBI mission. An adaptation of Car Wars, the package includes one disk, a road map, driver's handbook, and a tool kit. \$39.95  
**Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490**

## Awesome

From the creators of Beast and Beast II comes this awe-inspiring combination of shoot-em-up action and trading stratagems featuring innovative hyperspace stations, full screen aliens and a whole galaxy to explore. You need tons of fuel to escape from your exploding galaxy. The only way you can get it is through trading missions on behalf of the Federation. Fighting off waves of pirates, attacking police convoys and dancing with death to mine asteroids while facing colossal creatures and a horde of aliens before you get planetside. Make it to the surface, and you still have to get safely inside the station complex to get access to the time/warp navitron for navigation directives and to begin the trading necessary to acquire the supplies and resources that you need to continue. Awesome takes you beyond the final frontier. \$49.99  
**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553**

## Awesome Arcade Action Pack

Three great arcade games: Sidewinder, Captain Zed, and Blasta Ball. In Sidewinder, you'll pilot a spaceship through 3-D scrolling screens to kill the alien Star Killer. Captain Zed leads you through 14 levels of attack from vicious Xenon aliens. Blasta Ball is 37th century ice hockey. \$49.99  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## B.A.T. (Bureau of Astral Troubleshooters)

A new case has to be solved by the B.A.T. agents. Vrangor, an evil genius, together with his accomplice Merigo, are threatening the people of Selenia. Unless they leave the planet, Vrangor will destroy them with bacterial warheads. You have been selected to destroy his plans by eliminating him and restoring peace to the Universe. Explore over 1100 different fascinating locations and meet characters from seven different species. Learn how to utilize B.O.B., the computer implanted in your arm; pilot the DRAG, a genuine flight simulator, across the arid desert; and enjoy the futuristic atmosphere provided by outstanding graphics and sound effects. Distributed by Electronic Arts. \$49.95  
**UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749**

## BASICFootball

A football game that features classic music, speech synthesis, and amazing animation all done in AmigaBASIC. BASICFootball lets you select your offensive and defensive coordinators. Keep track of turnovers, special teams, running and passing statistics so you can make those crucial halftime adjustments. BASICFootball is two games in one: you can play against a friend in the two player version, or play against a computer programmed to attack any opponent with a relentless offensive and defensive strategy. BASICFootball's program code is available for learning every phase of BASIC programming. \$9.95  
**Maboney Software Products, 897 Charlotte Dr, Newport News, VA 23601-1068; (804) 591-9330**

## Back to the Future II

Combines five adventures—three arcade action arenas plus two logic puzzle levels—that challenge your intellect as well as your reflexes. In order to survive Biff and the boys, Marty needs to grab as many weapons and energy boosters as possible. Marty and Doc venture through famous scenes from the hit movie like the Hill Valley Hoverboard fiasco and the Enchantment Under The Sea dance.

Travel through time, via your Delorean, to 1955, 1985, and 2015. Encounter all your favorite characters including Doc, Jennifer, Biff, and Griff. \$19.95  
**Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support**

## Back to the Future III

Back to the Future III offers progressively difficult action set in the Old West. Each level is inspired by famous scenes from the movie—so you may have the edge if you've seen it. As players assume the roles of Marty McFly and Doc Brown at various stages of the game, it's up to them to return everyone safely to their own time. But Buford 'Mad Dog' Tannen isn't going to make it easy. Gamers encounter a buckboard chase, shooting gallery, pie throwers, and a harrowing train chase. Players assume the role of Marty and must balance their way along the top of a speeding train collecting speed logs and avoiding Buford's gang. \$19.95  
**Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support**

## Balance of Power

Takes all the features of the original award-winning game and adds numerous enhancements to reflect the current amplified state of world affairs. Be a superpower leader in this nuclear-age strategic simulation pitting the U.S. against the U.S.S.R. \$39.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Balance of Power: The 1990 Edition

Experience firsthand the pressures and challenges of global leadership in the updated and expanded version of Chris Crawford's award-winning geopolitical simulation. In the U.S.A. or as the general secretary of the U.S.S.R., strike the right balance between forcefulness and cooperation, and you accumulate world prestige—without creating nuclear holocaust. \$49.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Bandit Kings of Ancient China

Bandit Kings takes place at the turn of the 12th Century. It is based on an ancient Chinese legend similar to that of Robin Hood. Good men have been cast out of the Empire by the evil Minister of War, Gao Qiu, and fled to the countryside. Their goal is to gain strength to right the wrongs that occurred and restore the glory of the Song Empire. It is a combination of role playing game, war game, and management game. The final enemy is Gao Qiu, the evil Minister of War. If you can destroy him, you have destroyed the evil force corrupting society and the game is over. But beware...it is not as easy as it sounds. \$59.95  
**Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayside Highway, Burlingame, CA 94010; (415) 348-0200**

## Bane of the Cosmic Forge

The truest simulation of FRP. From its novel-like plot to its calculated die rolls, Bane of the Cosmic Forge offers uncompromising variety: 11 races, 14 professions, weaponry, physical and academic skills, a researched armament 400 items strong, six spellbooks, and 462 spell combinations. Full-screen animated graphics and digitized sound intensify the gaming experience. Requires 1MB, disk drive. Hard drive installable. (Marketed by US Gold in UK.) AmigaDOS 2.0 compatible. \$59.95  
**Str-Tech Software Inc, P.O. Box 245, Ogdensburg Business Center, Ste. 2E, Ogdensburg, NY 13669; (315) 393-6633**

## Barbarian II

Barbarian II brings Hegor the Barbarian into the '90s. Hegor must fight his way through the dark forest near the village of Thelston. Then he has to proceed through the barbaric landscape dodging deadly traps and dealing with dastardly enemies before entering the final conflict with Necron, deep within the evil Temple sanctuary. Your mission is to find and destroy Necron before he completely destroys the land and overruns the human race. \$44.99

**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553**

## Basketball-The Pro Game

Statistical simulation of Pro basketball. Includes a stats compiler and over 100 teams. \$39.99  
**Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040; (812) 438-3733**

## Battle Chess

Animated chess pieces fight over the squares. Pieces represent medieval figures. Colorful animation and digitized sound can be toggled on/off. Strong chess algorithm for those who want to concentrate on the game. See CDTV section also. \$49.95  
**Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655**

## Battle Chess II: Chinese Chess

Cannons thunder, chariots race over grassy fields, and dragons hurl fireballs at opposing forces in the latest animated strategy game from Interplay. Watch as dragons toast hapless knights, counselors flatten pawns with enormous mallets hidden in their robes, and cannons merrily blast away at opponents covering behind other pieces. Recommends best move, and shows legal moves. Multiple difficulty levels, 2-D and 3-D viewing modes. Price TBA.  
**Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655**

## Battle Command

An arcade strategy game where the North/South divide is a life-threatening issue—the Ultra War. Ten years on, the latest phase of this siege has culminated in a World War I situation arising, and a stand-off between armies massed over a long dug-in battle front. You must succeed where other elite troops have failed, and strike a blow for freedom against the oppressive Southern Forces. Brains and priceless military hardware are your only protection. Over 15 missions, four Weapon Pods to stockpile with lethal devices, and a detailed manual included. Kickstart 1.2,1.3. \$19.95  
**Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201**

## Battle Isle

In a world essentially composed of islands, you are Chief of State and have complete control over the armed forces. Your goal is to attack the islands and capture the most terrain possible. To carry out your mission, you have at your disposal a port, an arsenal, an airport, train stations, factories, an army, a navy, and an air force. Each one of these forces is mobile and can accomplish the strategies of your creation. Careful, you must take into consideration the variables of the terrain: coral reefs, the height of the mountains, etc. While defending your strategic points and energy supplies, transport units and repair warehouses; demolish those of your enemy and render him helpless. Show no mercy! The time for confrontation has arrived! \$49.95  
**UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749**

## Battle Squadron

One- and two-player modes, vertical and horizontal scrolling, and chameleon enemies who become almost invisible as they mimic the background terrain. Battle Squadron delivers a unique, 3-D futuristic gaming experience. Earth forces in 2400 A.D. have traveled through space to retaliate against a devastating Baraxx Empire attack. You're in command of an Earth space cruiser, dodging and darting across alien terrain, facing dozens of whirling air enemies, and challenging intense fire from ground emplacements. \$39.95  
**Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434**

## BattleTech: The Crescent Hawk's Inception

Authentic BattleTech combat is yours to command. Exciting, animated role-playing action. All new, richly detailed story set in the world of the Successor States. Emotive outtakes in the Japanese-comics style increase the realism. Plan your own battle tactics, or let the computer determine strategies for

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Entertainment

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

you. Your Battletech package contains the game disk, Player's Guide, Weapon and 'Mech Recognition Guide, and full-color poster. \$29.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049; (310) 207-4500*

## Battlehawks 1942™

The blood-red Rising Sun on the tan flight deck of the Akagi rushes toward your windscreen as your SBD-3 Dauntless dives through the flak—3,000 feet! 2,000 feet! Bombs away! In Battlehawks 1942™, you'll fly historically accurate missions in realistic U.S. and Japanese fighters, dive bombers, and torpedo planes in four carrier battles of the Pacific war. True-to-life flight dynamics and instant replays make this a thriller. \$49.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Battlestorm

The ultimate shoot 'em up. There is currently a state of emergency on all frontier worlds. The Kalomarian enemies led by their state-of-the-art vessels, the starships Battlestorm, are taking over the galaxy. Destroy squadrons to retrieve the vital Shield pods, annihilate mother ships to acquire Equipment pods. All of these will protect you against the enemy's powerful attacks and provide you with more sophisticated weaponry. You'll need all the help you can get if you are going to destroy the Battlestorms and launch your final attack on their headquarters. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## BeBop 'N Drop

BeBop 'N Drop is a graphical puzzle game, the next generation of the popular shareware game Obsess-O-Matic. The object is to fit falling pieces together forming horizontal rows, which then disappear off the board. If the pieces reach the top of the board, the game is over. Fifty one-player and 25 two-player game boards are organized for tournament or single board play. Each board has a unique shape containing tricks, traps, and possible secret solutions. Board utilizes piece sets, where shapes, color graphic bitmaps, digitized stereo sounds, and animations vary. Special effects such as the pile driver, firestorm, and the column fillers add enjoyment to game play. Produced by Electronic Horizons. NTSC/PAL compatible. AmigaDOS 2.0 compatible. \$34.95  
*Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932; (215) 672-6815*

## Beast III: Out of the Shadow

Follow-up to Shadow of the Beast II. The Warrior Messenger's reward for defeating the evil Zelek was the return of his human physique. But celebration must be put aside until evil is banished from the land once and for all. Now that Zelek is no longer a threat, our hero faces his ultimate challenge against Maletoth—The Beast Lord. Four massive levels, many intricate puzzles, multiplexed hardware sprites, powerful music. \$59.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Beyond 2400 A.D.

Step into the blistering action and strategy of futuristic urban combat in this space age, role-playing adventure game. As a new arrival on the planet XK-120, you are chosen by the beleaguered underground resistance to lead the revolution against sinister robot oppressors and restore freedom to the city of Metropolis. Smooth-scrolling, state of the art graphics with a slightly tilted, top-down perspective. Provides a large, detailed city with nine levels and a huge underground passageway system. \$29.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Beyond Dark Castle

Return with Prince Duncan as he ventures on a mission to conquer his mortal enemy, the Black Knight. Players find themselves back in the dreary, damp castle and they must combine their best strategic tactics with quick action in an all-out adventure. A sequel to Dark Castle, this title

features third-person perspective where players are continually challenged with animated creatures and seemingly inescapable castle rooms. \$29.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049; (310) 207-4500*

## Bible Words

Bible Words is an educational version of Hangman. At the conclusion of a successful or unsuccessful guess, the definition of the Biblical word and its relevance to the Bible is given. Over 500-word database. For A500, Workbench 1.3, single drive. \$9.95  
*Mahoney Software Products, 897 Charlotte Dr, Newport News, VA 23601-1068; (804) 591-9330*

## Big Business

Big Business is a humorous, wacky simulation of a large manufacturing corporation. Three players, each starting off with equal assets and marketing the same product, compete to acquire the greatest net worth by the end of the game. While some aspects of the game are strictly for entertainment, the core of the program is a very accurate economic model. Options: total of three players can compete; loading and saving of game status; print capabilities, etc. \$49.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Bill & Ted's Excellent Adventure

For a hilarious, time-warped trip through history, it's Bill & Ted's Excellent Adventure, a fully-animated arcade action game recreating all the fun of the hit movie. It's a bodacious romp in search of famous dudes—Napoleon, Socrates, Ghengis Khan, Freud, Joan of Arc, Lincoln, Einstein, and more—it's a quest to pass that most heinous history exam. Digitized photos and sound from the movie add to this outrageous adventure. See CDTV section also. \$49.95  
*Capstone, A division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900*

## Bill Elliott's NASCAR Challenge

Choose from six official banked NASCAR tracks of Daytona, Atlanta, Bristol, Darlington, Michigan, and Talladega, or the twisting road courses of Sears Point and Watkins Glen. Then prepare to race using track condition information to adapt your stock car by adjusting engine type, tire stagger, spoiler angle, and gear ratio. Players can review their driving skills with a VCR instant-replay mode which allows players to record their action (crashes and all) from six different camera positions and play it back. Authentic racing features include a dash board with damage warning light, tach, fuel, oil, and temperature gauges. A leader board shows your best and current lap times, number of laps raced, your position, and how far you are behind the leader. \$49.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## Bill's Tomato Game

What a pair of tomatos, Terry and Tracy are two of the hottest tomatos in the patch. Freshly picked and off to be canned they escape to pursue their dream of marriage and little cherry tomatos. But as luck would have it, an evil squirrel has foiled their plan, capturing Tracy and stashing her high atop his vine-top home. Can love conquer all? It's up to you and Terry to save the fair Tracy, solve challenging puzzles and brave the many dangers that lie ahead. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Bingo Parlor

Talking bingo game for one to 10 players. Menu choice of game, speed, voice. With 320 x 200 resolution. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488; (203) 264-2583*

## Birds of Prey

By Argonaut Software. NATO and Soviet forces in an all-out war campaign. Armed with 40 front line aircraft, your mission is to devastate the enemy's

land, sea, and air forces while protecting your own. But your enemy is unpredictable and constantly on the move, repairing and replenishing his forces, and carefully planning the next attack. Accurate flight dynamics and weaponry let you experience every aspect of modern air combat. Play 12 individual scenarios or an ongoing war campaign of integrated missions. Choose from NATO or Soviet forces; view the action from allied or enemy aircraft at any time. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Black Crypt

Long ago, four guardians wielded their mystic weapons and powers to vanish the dark lord, Estoroth, from the known world. In sealing his fate, they sealed their own as well. The guardians and their mystical artifacts were lost forever, but the world was safe. As time passed, evil began to spread and hideous monsters from the past returned—the people knew Estoroth was near. As you enter into this world, you will lead a brave band of adventurers on a quest to retrieve the mystical artifacts—they may hold the power of the Guardians and the last hope for the world. The Black Crypt is a fully animated dungeon adventure with a unique twist to Point-of-View perspectives. Watch through your characters eyes as you explore both the wilderness above and the dungeons below. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Blackjack Academy

Learn and practice the basics of Blackjack. Five-player card table, dollar amounts up to \$9,999, on and off card toggles. Use multiple table rules (Reno, Las Vegas, Atlantic City) or customize your own table. Pull-down help menu, color selectability, play strategies, game save, and retrieve. Also includes quick reference card to help you make the best decision. \$24.95  
*Microllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Blitzkrieg at the Ardennes

A WWII Battle Simulation game with full color graphics and digitized sound. Includes German saboteurs, artillery supply, terrain effects, paratroopers, play customization, weather, fuel dumps, aerial bombardment. Requires 1MB. \$29.95  
*R.A.W. Entertainment, 957 NASA Road One, Ste. 146, Houston, TX 77058; (713) 286-2386*

## Blockout

A 3-D challenge of thought and skill. Maneuver, rotate, and position various 3-D blocks, as they fall into the playing pit. Fit them together to form complete layers that disappear giving you more room to work. Options allow you to change the size of the playing pit, the block shapes, and the speed of play-making for literally thousands of combinations. \$39.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030; (408) 378-0340*

## Blue Angels

Flight simulation. You perform over 25 actual air show maneuvers in three types of air shows and earn a place on the pilots Hall of Fame. \$29.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Boom Box

A new, exciting interactive music program that puts you in control of the freshest Rap grooves. Boom Box transforms any Amiga into a 'beat box' and features a totally interactive Remix screen to add echo and effects to the pre-recorded Rap grooves included. Or, play along in Jam Mode, triggering heavy guitar samples, screams, turntable scratches, and assorted sound effects in real time, right from the computer keyboard. Requires 1MB RAM, hard drive, Workbench 1.3 or 2.0. \$59.95  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

## Boppin'

Designed by Accursed Toys. Visually and viscerally stunning. Unusual inventions such as 'reverse

polarity' storyline in which Evil is rescued from the clutches of Good, and the unique 'Seppuku' (honor suicides) of the willful characters Yeet and Boik, who are neither heroes nor villains, but agents of Balance. Puzzles of arrangement, trajectory, and timing and accuracy. 150 different screens. Three difficulty levels—from simple to vicious. NTSC/PAL. \$39.95  
**KarmaSoft**, P.O. Box 1034, Golden, CO 80402-1034; (303) 490-2939

## Bravo Romeo Delta

Real time nuclear war simulation. Player controls the strategic forces of the U.S. or the Commonwealth. Extensive database on nuclear arsenals and strategic targets. Comprehensive manual includes unusual source material for background information. Requires 1MB. \$59.95  
**Free Spirit Software, Inc.**, 720 Sycamore St., Columbus, IN 47201; (812) 376-9964

## Breach

One player tactical squad combat game. Includes intelligent opponents, multi-level combat areas, many pieces of equipment, and several combat scenarios. Includes scenario builder. \$39.95  
**Omnitrend Software, Inc.**, 15 Winchester Court, Farmington, CT 06032-3423; (203) 678-7679

## Breach 2

Lead your squad of space marines into man-to-man combat in alien jungles, man-to-alien combat aboard hostile spacecraft, and wherever else your imagination can take you. Omnitrend's classic tactical wargame now has a new look and an improved player interface. Includes 14 built-in scenarios, and the ability to build your own. Published in the U.K. and Europe by Impressions. Requires 512K. \$49.95  
**Mindcraft**, 2291 205th St., Ste. 201, Torrance, CA 90501; (800) 525-4933

## Break'n'Bash

The next generation of the Breakout style of game. It has the balls, paddles, bricks, special effects—and now there is an opponent. Your success no longer depends solely on raw reflexes, but also on strategy and planning. Two competitors, separated by a wall of bricks. Play against the computer or a human opponent—even over the modem. 100 levels of excitement. Level editor lets you do your own designing. Bonus—the first 500 people to register Break'n'Bash will receive a free copy of our mini-game: Stick Figure Fight. NTSC. Requires 512K. Kickstart 1.2 or higher. \$29.95  
**Knight Tyme Productions**, PO Box 201561, Austin, TX 78720; (512) 346-4005

## Bride of the Robot

Adult graphic/text adventure. The further adventures of Captain Brad Stallion. Miss Galaxy has been kidnapped by a runaway robot! Your mission is to rescue her. \$39.95  
**Free Spirit Software, Inc.**, 720 Sycamore St., Columbus, IN 47201; (812) 376-9964

## Bridge 6.0

The latest version of Bridge has significantly improved bidding and play from earlier releases and has numerous new convenience features. As before, Bridge 6.0 will bid and play out the hand, recognize blackwood and stayman conventions, and replay interesting hands as well as deal an opening hand if requested. The auto-bid and play features have been expanded to include a suggested bid; the minimum point count for an opening hand can now be specified up to 25 points; the last trick and bidding can be reviewed and the bidding now takes into account partial game scores. In addition, you can play either contract or duplicate bridge. In the duplicate mode, the program deals the same hand twice, switching positions to allow the user to play both offense and defense. The program will deal millions of different hands and you can even set up your own hands and save them to disk for replay at a later time. \$39.95  
**Artworx**, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573

## British Open Courses

Developed to work with Accolade's MEAN 18 golf

simulation. Package contains five different courses: Carnoustie; Royal St. George's (Sandwich); Royal Birkdale; The Honorable Company of Edinburgh Golfers (Muirfield); Royal Lytham and St. Annes. Forty-three opens! No additional charge for foreign orders in U.S. dollars. \$15.00  
**Moonlight Development**, 329 Shoreline Place, Decatur, IL 62521

## Bubble Ghost

Help a mischievous spook guide a bubble through 36 rooms, catacombs, obstacles, and traps. \$19.95  
**Accolade**, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700

## Buck Rogers: Countdown to Doomsday

Buck Rogers, a science fiction role-playing game, is set in the 25th century, just after the Martian Wars. Guide your NEO team to ensure Earth's survival while, on Mars, RAM is an angry and vengeful corporate state intent on reconquering or destroying Earth. Your party of six player-characters (and up to two non-player characters) can engage in planetary or space combat. \$19.95  
**Strategic Simulations, Inc.**, Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Buck Rogers: Matrix Cubed

The thrilling sequel to Countdown to Doomsday. Explore the inner solar system, the asteroid belt, and for the very first time—Jupiter! Role playing in space has never been this good. Aided by higher character levels and better equipment, the team must scour the solar system and rescue scientists who can build the Matrix Device. This machine can transform any substance into pure energy, and is the only hope left for the devastated and enslaved Earth! 1MB. \$49.95  
**Accolade**, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700

## Budokan

Welcome to Tobio Ryu Dojo. The journey of a thousand steps begins here. What will impress you most on your journey? Will it be the fluid character animation that makes Budokan the most elegant and realistic game ever created? Or will it be the hard training you endure in the authentic arts of Kendo, Bo, Nunchaku, and Karate? Or will the 12 black belt opponents at Budokan, with their amazing cunning and talent, etch deepest in your mind? Walk the path of the warrior in Budokan and let everything impress you. \$39.95  
**Electronic Arts**, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## CODENAME: ICE MAN

Your mission (should you choose to accept): rescue an American ambassador from a group of fanatical terrorists. If you are up to the challenge, then step forward and join the global action of CODENAME: ICE MAN, a new genre of Adventure/Simulation Game from Sierra. ICE MAN allows you to experience a futuristic nuclear attack submarine simulator. Guide this advanced stealth sub across the globe and into combat with enemy warships. New enhancements of SCI produce a very authentic simulation. An optional mouse works the gauges and steering wheel in the submarine; an improved parser provides a much more life-like feel to the action. As Johnny Westland, a member of an elite U.S. Navy SEALs (Sea, Air, Land) commando team, you must travel undetected, via a state-of-the-art nuclear attack submarine, to rescue the ambassador and time is running out! Requires 1MB. \$59.95  
**Sierra On-Line**, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Caesar

Combines the challenge of building a city from the ground up with the epic history of the Roman Empire. You start as a lowly province ruler with a piece of scrubland, and are given the job of building a thriving city. You must also protect your people from Barbarian hordes. The whole of Roman culture and architecture is available to the ambitious city-builder. After designing one community, you may achieve promotions, new lands, greater challenges, and a political career. Your

ultimate goal—to obtain the highest possible rank: Caesar! Available January 1993. \$59.95  
**Impressions Software**, 7 Melrose Dr, Farmington, CT 06032; (203) 676-9002

## California Challenge

Scenery add-on disk for The Duel. \$21.95  
**Accolade**, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700

## California Games

Play for a big-name sponsor as you surf, skateboard, roller-skate, and BMX-race through California. Specially-marked game boxes give you a chance to win T-shirts, skateboards, watches, key-boards, sunshades, flying disks, and jet skis! \$19.95  
**EPYX**, 500 Allerton Street, Redwood City, CA 94063; (415) 368-3200

## California Games II

This sequel to California Games offers five awesome events: skateboarding, bodyboarding, jet surfing, snowboarding, and hang gliding. Play these radical events with stereo sound. \$39.95  
**EPYX**, 500 Allerton Street, Redwood City, CA 94063; (415) 368-3200

## Campaign

A war games simulator designed with 20th century warfare in mind. Set in Germany during WWII years 1939-1945. You control the movements of over 100 different vehicles and 15 guns. Plan battles using local factories, and supply convoys and airforce support. Quad-tree system for storing maps allows maps up to 2000 miles square. \$59.95  
**ReadySoft, Inc.**, 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175

## Carl Lewis Sports Challenge

Take charge of the training programs for your country's top 10 athletes, monitor their weekly performance, and select the top five contenders for international competition. The computer establishes a competitive environment based on your squad's training performance in javelin, 400-meter hurdles, long jump, high jump, and 100-meter sprint. Realistic digitized images of real world class athletes. Up to four player action. 512K, joystick, Kickstart 1.3 and higher. \$49.99  
**Psygnosis Limited**, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553

## Carlos Monte's 7-Card Noopekie

Feel like you're on the boardwalk while brushing up on this poker-style casino game. \$19.95  
**Erisian Software Products**, 132 Cedar Dunes, New Smyrna Beach, FL 32069; (904) 423-3949

## Carlos Monte's Blackjack/Solitaire

Beat the dealer in do-or-die blackjack or solo a round of solitaire. \$29.95  
**Erisian Software Products**, 132 Cedar Dunes, New Smyrna Beach, FL 32069; (904) 423-3949

## Carlos Monte's High-Rolling Craps

For the gambler, complete the Carlos Monte collection with full craps rules and all casino options. \$19.95  
**Erisian Software Products**, 132 Cedar Dunes, New Smyrna Beach, FL 32069; (904) 423-3949

## Casino Fever

Play and learn craps, roulette, blackjack, and poker. Online help in craps and roulette. Mouse-driven interface, Vegas odds. Works on any Amiga. \$39.95  
**MindScape**, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000

## Castle of Dr. Brain

This educational and mind-twisting odyssey promises to challenge and entertain young minds for hours on end. With the ultimate goal of becoming Dr. Brain's lab assistant, applicants explore his puzzle-filled castle, unraveling scientific mysteries behind every door. Along the way, children will experiment with time, astronomy, robotics, codes, logic, and math. In the end, candidates must match their newly learned principles to 'real life' job skills

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

before earning the coveted lab assistant position. Full stereo 'rock music' soundtrack. Sierra has used a highly sophisticated palette manipulation technique to enhance its beautifully hand-painted backgrounds, virtually bringing them to life. For adults and children ages 12 and up. Includes Fantastic Book of Logic Puzzles. Shipped with four low density disks. Roland MT-32 and Amiga 4 voice sound are supported. Requires hard disk or dual floppy drives. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Castles

Castles will allow players to experience for themselves what it was like to design, build, defend, and manage their own dream castle. Decide on the kind of gatehouse, how peasants should be worked and taxed, and whether or not to get involved in quarrels between the church and state. Castles features 256-color graphics, musical score, full soundboard support, three levels of difficulty, individual or eight castle campaigns, and realistic or magical settings. \$59.95  
*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

## Celtic Legends

This strategy game is played on a hexagonal grid. Main action consists of armies of mythical creatures engaged in individual battles. Cast spells such as viruses, remedies, paralysis, blindness. Build castles and assemble your troops. Role playing aspects include experience points and creation of your character. For two players or one player against computer opponent. Now UK import (PAL). US (NTSC) version available September 1992. \$49.95  
*UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749*

## Centerfold Squares

Adult-oriented game with digitized graphics. Play against one of eleven centerfold opponents to uncover strategically positioned squares. Different skill levels from easy to nearly impossible. Graphics digitized using a proprietary process that combines the best features of modern scanning technology with the artist's finishing touches. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573*

## Centurion: Defender of Rome

Lead your legions into battle and exploration at the very edge of known civilization. Participate in colorful displays of clashing gladiators and rushing chariots. Or test your diplomatic skills against the likes of Hadrian, Hannibal, and the beautiful Cleopatra. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Challenge Golf

A realistic simulation of golf, made with genuine 3-D landscapes which put you right in the middle of the action. Four 18-hole courses, one to four players, professional and amateur levels, driving range, full club selection, handicapping system, save and load games, and much more. \$40.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114*

## Champions

Champions is a new adventure with more than 20 detailed villains to conquer. Multiple story lines are combined with a character interaction system where players select goals, methods, and an attitude for character interaction. Players also determine the precise powers and abilities of the superhero characters and then customize the character's costume, visual and sound effects. Combat scenes combine the precision of role-playing combat with full-screen animated graphics. Available spring 1992. \$59.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## Champions of Krynn

Champions of Krynn is the first AD&D fantasy role-playing computer game to be set in TSR, Inc.'s most popular AD&D game world, the DRAGONLACE®

world. The player guides a party of characters (up to six player characters and two non-player characters) through a web of intrigue and combat. Player characters include kenders and Knights of Solamnia as well as most races and classes of characters from the best-selling DRAGONLACE novels—Tanis, Tasselhoff, and Caramon—as they struggle to overcome the forces of evil. New features include five different difficulty levels, moons with phases, and gods that grant special abilities to their clerics. A special four-color poster featuring an original TSR painting is also included in the game. \$29.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## Chaos Strikes Back

Dungeon Master players everywhere are waiting to take on their arch-rival in Chaos Strikes Back. \$39.95  
*FTL Games, 6160 Lusk Blvd. C-102, San Diego, CA 92121; (619) 453-5711*

## Chaos in Andromeda

Chaos in Andromeda is a fantasy role-playing game set on Koranis 12. Your mission is to find and bring back the political figure and scientist Mr. Noko Yai. He has been kidnapped; if you can't bring him back you must destroy him. Available for NTSC and PAL. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114*

## Checkmate

Checkmate is the strongest computer chess program on the market. It has an opening library of over 300,000 moves, learns as it plays by adding strong moves to its library, and is rated in the candidate master category. Requires 512K. \$54.95  
*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

## Chinese Chess, The Science of War

Unique rules and pieces make Chinese chess an exotic and exciting imagination of war. A river divides the board in half, a king and his guards inhabit imperial palaces, and a cannon can menace the enemy with a move that is unlike anything in Western chess. Chinese Chess includes multiple 2-D and 3-D views; several levels of difficulty; clocks; the ability to print, save, or load games; online descriptions of rules, pieces, notation, and strategy; the ability to create custom positions; mouse or keyboard control of pieces; and special features for learning the game. \$32.95  
*Eagle Tree Software, P. O. Box 164, Hopewell, VA 23860; (804) 452-0623*

## Chip's Challenge

Over 140 levels of puzzle-solving action challenging the user's imagination while captivating the player with suspense of what challenge lies ahead. \$39.95  
*EPYX, 500 Allerton Street, Redwood City, CA 94063; (415) 368-3200*

## Chuck Yeager's Advanced Flight Trainer V2.0

Experience white knuckle flying thrills with this new version of the best selling hit. Show your stuff in 18 different aircraft, each with accurate aerodynamics and realistic 3-D graphics. Fly formation with the Blue Angels and Thunderbirds or race six new courses. As a special bonus, Chuck Yeager personally guides you through AFT on the Flying Insights audio tape included in every package. \$39.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Circle of Success

Wheel of Fortune clone that allows one to four players. Easy creation of custom data files. Build a file of famous chemists, or Spanish words, or whatever. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810*

## Civil War Scenario

Four add on scenarios for UMS II simulate the American Civil War from 1861-1864. Includes 52-page manual with descriptions of each unit type like Ironclads, Gunboats, and Calvary. Also includes complete attack/defense matrices for units and terrain, as well as a movement and supply consumption matrix, plus order of battle tables and historical backgrounds. \$29.95 plus postage.  
*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804; (319) 323-5293*

## Classic American Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Seminole (Palm Beach, FL); Pine Valley (Clementon, NJ), ranked No. 1 in America; Spyglass Hill (Pebble Beach, CA); The National Golf Links of America (Long Island, NY); and Cherry Hills (Denver, CO). No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Classic Amiga Adventures

Includes five of the highest quality Amiga graphic adventures available: Catacomb, Legend of Lothian, MechFight 1.0, Moria 3.0, and Rings of Zon. NTSC. All Amigas (MechFight and Moria not A3000 compatible), 1.3 and 2.0 compatible. 1MB. Available through retailers. \$15.95  
*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133; (216) 582-0910*

## Classic Board Games

Whether you're in the mood for an enthralling game of Chess, have the hankering for a good old-fashioned game of Checkers, or prefer a rousing game of Backgammon, you'll be able to test your skills against the computer, or against another human. Three difficulty levels will give you a challenging and entertaining match. See CDTV section also. \$14.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## Clever & Smart

Join the fun with the bumbling detective characters from Germany's most popular comic strip. They're on a mission of a lifetime trying to find the kidnapped Dr. Bacterius. Incredibly tricky program of strategy as these zany characters fall in and out of trouble and mischief. Package also includes The Crimes, a newspaper filled with clues that will help you solve the mysterious crimes. \$34.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Clown-O-Mania

You are Beppo the Clown in a quest to find the land of a thousand crystals. Features: 70 levels full of riddles and tasks, 3-D screen construction and soft-scrolling in all directions, hilarious upside-down play, great music during game play to accompany the fun, lots of enemies and surprises. Use razor blades, blocking pyramids, jumpers, trampolines, funnels, teletransporters to escape the nasties; collect energy boxes and life-giving clown masks. Beware of acid holes, fast enemies, and one-way streets. Solve color and number riddles to gain extra points. \$34.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Clue Master Detective

Play your favorite game of criminal detection with friends against the computer, or with a mixture of both. Enjoy the enhancements the computer can bring to the game play, such as graphic animation and sound. Clue Master Detective has more than ever before to exercise your little gray cells—more suspects, more possible murder locations, more weapons—in fact, more mayhem! \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710*

## College Football USA

Win the nation championship. That's the challenge in this unique new football game. Features: super animation, high school recruiting, size/speed/stamina ratings, game/season statistics, one or two

player mode, Bowl games, and more. For Amiga 500, Workbench 1.3. \$39.95  
**Mahoney Software Products**, 897 Charlotte Dr, Newport News, VA 23601-1068; (804) 591-9330

## College League Option Module

Select one of the top 64 college teams in the nation to lead through the annual Championship Tournaments with SportTime's newly released College League module. Play with the actual teams, players, and stats from the 1989 college basketball season. Each team is unique, so the final outcome of any tournament will depend upon the player's coaching and gaming skills. \$14.95  
**SportTime Computer Software**, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207

## Colossus Chess X

This program offers exceptional graphics, four different sets of chess pieces, complete control over screen orientation (view board from any angle), six playing modes. A unique feature is its ability to learn new lines of play based on its experience playing against opponents. \$19.95  
**Artworx**, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573

## Combat '42

A two-player action pack strategic game. You are in the U.S. or German Army. You have to combat your way to each other's headquarters without being destroyed. Each army may have to battle through swamps, jungles, rivers, lakes, and minefields, and then be destroyed by enemy tanks, soldiers, or artillery. The best strategy will always win. Features 24 scenarios and editor. NTSC/PAL. For A500/1000/2000/3000/CDTV. Requires 1MB. AmigaDOS 2.0 compatible. \$14.95  
**Electronic Trading Post**, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia; 011-61-8-272-2302

## Combat Classics

Imagine three games for the price of one! F-15 Strike Eagle II (MicroProse), 688 Attack Sub (Electronic Arts) and Team Yankee (Empire) are all available now for one unbelievable low price. This Land, Sea and Air compilation are some of the most popular games ever published. All titles were hits on their own, but now packaged together, they are essential to complete any war simulation lover's collection. \$49.95  
**ReadySoft, Inc.**, 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175

## Combat Course

Get out those fatigues—you've just been drafted into a top-secret training camp for the military elite. Test your skill and endurance in four fast-paced training levels, then build your own obstacle course for the ultimate challenge. \$39.95  
**MindScape, A Software Toolworks company**, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000

## Commissioner's Disk

For use with Earl Weaver Baseball and Season Data Disks, the Commissioner's Disk provides players with complete control of any baseball league imaginable. A sophisticated tool for managing league baseball, players may use it independently for real-life leagues, from Little League to softball leagues. Become General Manager, as players may draft and schedule a league, hire free agents, update player and team files, and trade up to five players at a time while attempting to operate a successful league. Player rosters and league schedules may be customized and printed once a team has been organized. Players accumulate statistics, view league stats by batting average, slugging percentage, pitching performance, and player position. Players may design their own ballpark or redesign the classics. \$19.95  
**Electronic Arts**, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## Computer Third Reich

All World War II elements are included: military, economic, geographical, ideological, chronologi-

cal. Features state-of-the-art graphics, easy-to-use interface, choice of human or computer opponents for either side, plus three different historical scenarios and a campaign game. Also advanced Save Game function to make play by mail easier. \$39.95  
**Avalon Hill Game Company**, The, 4517 Harford Road, Baltimore, MD 21214; (410) 254-9200

## Conflict in the Middle East

Conflict in the Middle East: Arab-Israeli Wars 1973-? At 1400 hours on October 6th, 1973, the unsettled condition that passes for peace in the Middle East was shattered by the sound of Arab artillery fire in the Golan Heights and along the length of the Suez Canal. The war between Israel and the Arab Coalition lasted until October 24. Claims were made by both sides after the war; those claims are all debatable. If things had gone a bit differently in the Golan, Israel just might have been destroyed. This wargame simulation offers incredible detail of a brigade/divisional level game. You control every squad, vehicle, and gun tube! \$59.95  
**Strategic Simulations, Inc.**, Distributed by **Electronic Arts**, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Conquest of Japan

This multi-level military simulator harkens to the historical epics of the Samurai. Mass warriors to protect your cities, and form armies to defeat your opponent's forces and conquer their cities. When two armies meet, the battle is completely enacted, with you in control! Easy-to-use interface. Animated, scrolling graphics. 1MB, one disk drive, system version 1.2 or higher. International support. \$59.95  
**Impressions Software**, 7 Melrose Dr, Farmington, CT 06032; (203) 676-9002

## Conquests of Camelot

A tale that has been told through the centuries will soon become a Sierra 3-D animated adventure game. From the highest rampart of Camelot, to the Holy Land, across storm-tossed seas, Conquests of Camelot will take you in search of the Holy Grail, a search determining your will, your faith, and your physical prowess. Holding true to the mythical Celtic legend, all of your favorites are here with graphics and sound that bring new life to a tale often told: King Arthur, Gwennyver, Sir Lancelot, and Merlin, who knows all. In simulated combat, you will wield Excalibur, the sword of Kings, and joust from horseback, as you journey to find the lost Grail. Call company for details. Requires 1 MB. \$59.95  
**Sierra On-Line**, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Conquests of the Longbow: The Legend of Robin Hood

Journey through the enchanting but dangerous Sherwood Forest as Robin Hood and join with his band of merry men in the quest to save King Richard the Lionheart. A keen wit will be the weapon of choice and the key to finishing. Most importantly—think and act like Robin Hood—or die! Dozens of pathways and solutions lead to four possible endings in this complex game. You must think about the consequences of every interaction with each character. 64-color art blends medieval color palettes with countless animation sequences. Medieval soundtrack supports Amiga 4-voice. Ships on eight low density disks, requires hard disk, 1MB memory, and Workbench 1.2 or higher. \$59.95  
**Sierra On-Line**, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Contraption Zack

The ancillary functions of the feeder system may be on the Fritz. Or it could be the friction inhibitors or the phalynx resistors. Zack, the master repairman, must find his way through a labyrinth of malfunctioning machinery, solving increasingly sophisticated puzzles in order to fix the mysterious, intriguing gadgets around him. Since all of the equipment is interconnected, Zack must make his repairs carefully, or he will have to go back and make corrections. The more progress Zack makes, the more challenging and complex this multi-layered puzzle becomes. The player must help Zack find and fix his way through over 60 3-D

rooms filled with thousands of animations. Along the way you will be challenged with increasingly sophisticated puzzles. All of this is accompanied by a full sound track. \$39.95  
**MindScape, A Software Toolworks company**, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000

## Corporation

It's got everything—mapping, object manipulation, damage control, security problems, combat, and Backpack Computer and Smart Card. You'll be locked in combat as you struggle to expose the Universal Cybernetics Corporation in its bid to develop a mutant robot for military purposes. As a ZODIAC special investigator, can you save man from his untimely destruction in the 21st century? **Virgin Games, Inc.**, 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710

## Cosmostruction

Introducing a new concept in space age technology: Cosmostruction! In the near future, space colonies will require tremendous amounts of energy. Become a Cosmostructor and construct a cosmic energy duct between space colonies and nearby planetoids to drain them for power. You and your opponent take turns constructing a piece of the energy duct, accumulating points as you play. You must avoid mine fields, use warp gates, and delay your opponent as you both race towards the planetoid. Requires 1MB. \$29.95  
**Empire Graphics**, P.O. Box 964, Union, NJ 07083; (908) 964-7864

## Court Side College Basketball

Statistical simulation of College basketball. Includes a stats compiler and 356 teams. \$39.99  
**Data Innovations Inc.**, 127 N. Front St., Rising Sun, IN 47040; (812) 438-3733

## Courtroom

You select the case (robbery, embezzlement, etc.), select the type of judge (liberal, conservative, etc.) and play the prosecutor or defense attorney in this legal affairs drama. Review statements and material evidence, select witnesses, and convince a majority of the jury to win the case. \$49.95  
**FairBrother & SoeparMann**, 5054 S. 22nd Street, Arlington, VA 22206; (703) 820-1954

## Covert Action

Realistic contemporary spy simulation dealing with today's drug smuggling, terrorism, and international intrigue. As superspy Max Remington, you are a seasoned veteran of modern, hi-tech, undercover operations. Recognize faces, break codes, unravel plots, decide which leads to follow or ignore, and more.  
**MicroProse Software, Inc.**, 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440

## Crackdown

Don't be fooled by the flesh tone; underneath that pasty exterior is a flesh and wire cyborg programmed for your destruction. The evil Dr. K created a race of bio-bots to protect his underground city. Dr. K's mission is to expand above ground into human territory. His strategy is to destroy anything that's pure biology. Take another freedom fighter down with you, or go solo. Your mission is to set bombs in all the right places: boiling sewers, laboratories, deserted depots, and a dockyard teeming with cyborgs. Each of the 16 levels offers a unique danger. You have plenty of ammo and full brain capacity on your side. They have half a mind, but weapons that will drive you buggy. \$24.95  
**Electronic Arts**, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## Craps Academy

Learn the mysteries of the craps table in the privacy of your own home. Graphics and special effects teach you the rules of the game. A four-player table allows five friends to play at once using animated dice with scrolling table, complete glossary of buzz words, instant recap of recent game, and player stats. \$24.95  
**MicroIllusions**, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Crazy Cars

Race in The American Cross Country Prestige Cars Race, the world's craziest race. Over six tracks cover the U.S. in 72 stages. Complete the race before time runs out and get a faster car. Start with a Mercedes 560 SEC, then a Porsche 911 Turbo. Work up to a Lamborghini Countach, and if you're good enough, a Ferrari GTO. \$39.95  
**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## Cribbage King/ Gin King

Two brilliant card game programs in one package! Gin King will astound you with its stunning full-color hi-res graphics and challenging play. Cribbage is one of the world's oldest and most popular card games. Now with Cribbage King you can play cribbage like a king! Package includes free cribbage board and a deck of Bicycle playing cards. \$59.95

**Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Crime Does Not Pay

Or does it? This is the official mobster game endorsed by the Mafia. You don't own the town yet? That won't last long. Maybe becoming mayor of the city would solve your problem. But what about using mobsters to bribe, blackmail, and fight the big guys. Don't listen to justice and order, have no scruples, and lead your gangs to gain control over money and power. Who are you? The godfather, the femme fatale, or the killer? You will have a realistic map of the city where you can visit 200 locations and meet 10 important people. \$49.95  
**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## Cross Poker

Place cards in five rows by five columns. Place the cards to create the best possible combinations of hands in both horizontal and vertical directions. Think ahead strategy. AmigaDOS 2.0 compatible. \$19.95  
**SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081; (815) 626-5810**

## Crusaders of the Dark Savant

Sequel to Bane of the Cosmic Forge, Crusaders offers players an adventure that takes players into a new realm of fantasy role-playing. Features include 256-color VGA graphics, full soundtrack, and an auto-mapping feature. Offers true point-and-click mouse interface and new outdoor campaigns. Players see outdoor landscape with trees, streams, and the like. No longer will they spend the entire game trapped in a dark cavern. Players can create their own characters or import characters from Bane. Crusaders also offers multiple beginnings which depend on a player's end game in Bane. Searching for a secret hidden long ago by a once-mad scientist, players will explore dungeons, castles, a town, caves, and battle the enemy out of doors. New skills and spells. Available Jan 1993. (Marketed by US Gold in UK.) \$69.95  
**Sir-Tech Software Inc., P.O. Box 245, Ogdensburg Business Center, Ste. 2E, Ogdensburg, NY 13669; (315) 393-6633**

## Curse of the Azure Bonds

Ambushed, captured, and knocked unconscious, you awake with no idea who attacked you or how you arrived in Tilvertown. The mystical power of the azure symbols ensnares your will like metal bonds. When the bonds glow, you must do as they command. Your only hope is to search the Forgotten Realms for members of the alliance who created the bonds and regain control of your own destiny. This exciting sequel to Pool of Radiance lets you transfer characters from Pool and Hillsfar. Features include new player character types, high-level advancement, deadly new monsters, and over 24 new spells. \$19.95

**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Cyber Empires

Combines strategy with fast-paced arcade action.

Players move their armies around the world, build factories to create more cybernetic warriors, and conquer enemy territories. In the fight for total domination of the planet Orion, players are the Supreme Commanders with orders to construct, command, and conquer! \$49.95

**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## CyberRace

Exciting, futuristic 3-D racing simulation. War sweeps the galaxy with weapons so powerful they tear holes in the fabric of the universe. The only chance for galactic survival is for the CyberRace to replace war. Two mortal enemies, C. Shaw and the evil Mugyor of Kalidasa, face off on the cybertrack—the prize, control of the galaxy. Player interacts with other characters to buy weapons, make deals, get secret info, more. Nine levels, 46 between-race scenarios, 11 different endings. Action, adventure, and tongue-in-cheek humor. NTSC/PAL. Requires 1MB, Kickstart 1.2. AmigaDOS 2.0 compatible. Available Summer/Fall 1993. \$69.95, \$39.95. \$69.95  
**Cyberdreams, Inc., 21243 Ventura Blvd, Ste 230, Woodland Hills, CA 91364; (818) 348-3711**

## CyberSpace

Set in San Francisco 2090AD CyberSpace explores the futuristic world controlled by gangs of high tech street punks. Using a combination of high technology coupled to their minds these gangs have created a new computer enhanced universe called CyberSpace. These are the ultimate hackers in a world gone mad. \$59.95

**ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175**

## Cyberblast

Your goal is to make your way through 64 levels of Fastrax Labs until you find the missing control chip. Locating the control chip closes the portal that allows the deadly aliens to enter our universe. To complete a level, you must find and grab the crystals and then locate and enter the exit within a specific time limit. You pick up energy, points, laser pistols, bombs, and grenades. Each character has unique speed, shields, strength, zappower, and shot speed. Of course your journey is hampered by walls, enemies, and many other threats to your life. Two-player simultaneous mode. \$39.95  
**Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434**

## Cybercon III

You have bravely volunteered to execute Operation Nemesis—The destruction of the merciless Super Defence computer gone mad: Cybercon III. Equipped with your enhanced power armour salvaged from the wreckage of Cybercon III's onslaught, you must penetrate the defence complex protecting Cybercon III's brain stem and deactivate it. \$44.95

**U.S. Gold, Distributed by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (415) 513-8929**

## DARK CENTURY

A gang of extremely dangerous convicts is trying to escape from the federal prison planet. If the gang of prisoners succeeds in reaching Earth, who knows what can happen? Your mission (Codename: Survival Edge) is to capture the convicts while they are still on the planet, but first you must neutralize the ultra-sophisticated tanks which they have stolen and are using in their escape attempt. You are in command of the pursuit tank squad. Your tanks are all equipped with the latest in detection devices and technology. Be the ultimate strategist, and lead your team in defeating the bloodthirsty convicts. Get ready for the fight of your life and remember—show no mercy! \$44.95

**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## DUCKTALES: The Quest for the Gold

In six different games, at three ability levels, you will search for the world's rarest treasures in a variety of exotic places. One of the first things to learn, however, is how to keep and send secrets by using secret messages. The control center in

Scrooge's office is protected by Gyro Gearloose's Super Anti-Spy Security System, preventing Glomgold's henchmen, the Beagle boys, from stealing Scrooge's business secrets. The map of Scrooge's worldwide operations can be seen by using the Secret Code Sheet to decode the control center's secret password. \$44.95

**Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521; (818) 973-4390 sales**

## Daily Double Horse Racing

Spend a day at the race track with a full card of ten races. Check your racing form, handicap the races, taking into account the horse, jockey, and track conditions. Then place your bets and watch the action of the race in 3-D scrolling graphics. \$19.95  
**Artworx, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573**

## Damocles

Paul Woakes, one of Europe's best-known programmers, has created an ingenious and challenging real time 3-D adventure. Interactive gameplay allows users to capture 3-D objects and relocate them at will. Player-operated explosives give very graphic results. Use too much explosive and you'll blow yourself up! Features include: frequent day/night changes with dynamic views of sun/moon/planet risings and settings, 37 city sites, 3000 multi-room buildings and over 200 movable gameplay objects. Buying and selling of objects lends an interesting twist to the game. \$24.95

**Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850; (301) 926-8300**

## Dark Queen of Krynn

Brings a thrilling close to the epic that began with Champions of Krynn and continued with Death Knights of Krynn. To save the people of Krynn from the diabolic whims of the Dark Queen, Ansalon's most brave warriors must voyage to the shore of the mysterious Taladas. They encounter danger and unearthly creatures from the top of the Tower of Flame to the depths of the sea. Players can transfer characters from Death Knights with their items and money intact, or create their own. Characters can advance up to the 40th level. For one player. Includes Rule Book and Adventurer's Journal. \$49.95. Clue Book: \$12.95. \$49.95  
**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Dark Seed

Sci-fi role playing game based upon artwork of H.R. Giger, Academy Award winning artist for movie Alien. You are Mike Dawson, a science fiction writer who has just purchased an old Victorian house. You soon discover that you have bought more than you imagined. Control the fate of two worlds—the world we know and the dark world of an ancient, dying civilization. Unlock the secret of a sinister plot and discover the dark passage to their world, a place more terrifying than your darkest nightmare. NTSC/PAL. Requires 1MB, Kickstart 1.2. AmigaDOS 2.0 compatible. Available Christmas 1992. \$69.95, \$39.95. \$69.95  
**Cyberdreams, Inc., 21243 Ventura Blvd, Ste 230, Woodland Hills, CA 91364; (818) 348-3711**

## Darkman

Once he had a normal life, a beautiful girlfriend, and a brilliant medical career—creating synthetic skin for accident victims. Then he became the victim himself, brutally attacked by sadistic criminals—his face and body burned beyond recognition. Now Darkman walks the night, searching for the woman he loves. A man who looks like a monster, he hopes to salvage his scorched flesh—and have revenge on those who destroyed his life. Kickstart 1.2, 1.3. \$19.95  
**Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201**

## Datastorm by Visionary Limited

The explosion of the planet Xerxes has plunged its eight orbiting colonies into deep space. Forced to rebuild, they are seeking out a new home planet. You must guide and protect the eight survival pods through their dangerous voyage and lead them to

sanctuary. Fight up to 128 intelligent enemies simultaneously, three skill levels. Special powers include: shields, smartbombs, and cloaking devices. \$39.95  
**Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850; (301) 926-8300**

## Day of the Viper

A galactic action-adventure in which players direct a powerful attack android in the rescue of a defense installation seized. \$49.95  
**Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700**

## Days of Thunder

Better buckle up, you're about to experience all the engine-roaring, tire-screaming stock car action of the movie Days of Thunder. This heart-pounding adventure features the challenge of eight incredible races on a variety of totally hot tracks. Choose a car, then customize it for maximum speed and handling on the course.  
**Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Death Knights of Krynn

Death Knights begins a year after the conclusion of Champions of Krynn. A party is taking place commemorating victory over the evil forces when the celebration is disrupted by the undead Sir Karl swooping in on a Death Dragon. When Sir Karl steals a revered Dragonlance, the champions decide to recover it. As they travel, they find their goal and their adventure prove to be much different than they ever imagined! Characters may be transferred from Champions of Krynn or an entire new party of adventurers may be created. Characters that are transferred can keep their items and money. A Cluebook is available for \$12.95 \$49.95  
**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Deja Vu II: Lost in Las Vegas

From the creators of Deja Vu, Uninvited, and Shadowgate comes this interactive graphic adventure game. You've been abducted by two thugs from Chicago, knocked senseless, and if you don't come up with \$100,000 in seven days, your number is up! \$49.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Deja Vu: A Nightmare Comes True

This is the first all-graphic adventure game from ICOT Simulations. You wake up with a bout of amnesia and quickly realize that you're being framed for murder. You'll feel as if you're in a 1940s film as you gather clues to clear your name. \$49.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Demoniak

Artificially intelligent text adventure by Alan Grant. The universe is under attack by the evil Demoniak. Use your team of superheroes and their special abilities (magic, flame, mind-reading...) to defeat him. Recruit characters you meet and solve devious puzzles in many different ways. The Pure Fiction simulation system allows the user to play any of the 50 characters in the game, swapping roles at any point.  
**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## Desert Storm Scenario

A pair of add on scenarios for USM II which simulate operation Desert Storm right down to the Scud missiles being intercepted by Patriots. Includes 104-page Gulf War Fact Book with complete history of the war and nine color maps. Requires 1MB. \$29.95 plus postage.  
**Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804; (319) 323-5293**

## Dick Tracy: The Crime Solving Adventure

Disney has crafted a computer game with the unique blend of 1940's radio theater and comic

book graphics to produce a strategy game that defies categories. As Dick Tracy, players try to clean-up a metropolis overrun with sinister gangsters. Get the dope on crimes and try to get the goods on Big Boy Caprice. Dozens of randomly generated crimes will challenge players to race to the scene of the crime, look for clues, and interrogate suspects. Dick Tracy also supports the Sound Source with digitized voice, fully-orchestrated music, and sound effects. \$39.95  
**Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521; (818) 973-4390 sales**

## DinoWars

Play this interactive strategy with fully animated arcade sequences and a complete encyclopedia. Join forces in two opposing armies featuring eight of the best known dinosaurs of the prehistoric era. Choice of five different board setups. A multiple-disk package. \$39.95  
**DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733**

## Discovery—In the Steps of Columbus

Battle pirate ships (and your four opponents) and venture into unknown waters. Upon reaching land, command animated settlers to form cities, establish trade, and defend themselves. Includes six versions of the New World to explore. Mouse-based interface. 1MB, one disk drive, system version 1.2 or higher. International support. \$59.95  
**Impressions Software, 7 Melrose Dr, Farmington, CT 06032; (203) 676-9002**

## Distant Armies

The playing history of chess. Includes 10 forms of chess, each programmed with its own board, pieces, and rules. Several levels with two- and three-dimensional views; extensive on-line description of each game's history and rules. Includes Chaturanga, Chinese Chess, Burmese Chess, Shatranj, Byzantine Chess, Medieval Chess, Courier, Turkish Chess, Decimal Chess, and Maniac. \$44.95  
**Eagle Tree Software, P. O. Box 164, Hopewell, VA 23860; (804) 452-0623**

## Dojo Dan

Fast-action game based on cutesy Japanese teen-warrior. In mythical land of Banzaari, Dojo Dan takes on the evil warlord Valrog and his hideous hordes of mutants to rid his beautiful world of these tyrants. 20 grueling stages of exciting action push even experienced game players to the limits. Awesome atmospheric music, up to 160 colors on screen at once, and the smoothest multi-directional scrolling. \$25.99.  
**Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333**

## Double Dragon II: The Revenge

Twin brothers Billy and Jimmy Lee must join in deadly combat with the savage Black Warriors to free Billy's girl Marion. Using martial arts expertise and whatever weapons they can grab, Billy and Jimmy pursue the gang to the secret lair of the Shadow Boss for a final confrontation. \$39.99  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## Dr. Doom's Revenge

An interactive comic book. State-of-the-art full-screen comic book pages, drawn in dazzling color and featuring the authentic Marvel look. Each page of the game shows Spidey and Cap's progress through Doom's castle. Over 30 challenging arcade sequences give you control of Spiderman and Captain America as they battle Dr. Doom and his super villains. \$39.95  
**MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440**

## Dr. Plummet's House of Flux

More than a run-of-the-mill gravity game. It is 28 screens of the most bizarre, humorous, and frustrating challenges in the universe, spread over four selectable missions, each one more difficult than the last. It's fighting aliens and twisted, unpredictable forces of Dr. Plummet's fortress. But best of all,

it's the most entertaining way to turn off those overworked brain cells for a while. \$24.95  
**Microllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200**

## Dragon Wars

Fantasy role-playing in an island world. Players must escape from prison, find out why magic has been banned on the planet, and prevent the unleashing of the dragons guarding the city-states. \$49.95  
**Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655**

## Dragon's Lair II: Time Warp

Dirk the Daring continues his adventure in the sequel to Don Bluth's animated adventure Dragon's Lair in Dragon's Lair II: Time Warp. Princess Daphne has been spirited away to a wrinkle in time by the evil Wizard Mordroc, who plans to force her into marriage and only you can rescue her. With the help of an aging time machine, you must defeat Mordroc or the princess will be lost forever in the Time Warp. \$59.95  
**ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175**

## Dragon's Lair III: The Curse of Mordred

After destroying the Evil Wizard Mordroc in his bid to marry to your beloved Princess Daphne in Dragon's Lair II: Time Warp, now his sister the Evil Witch Mordred, is demanding revenge. You as Dirk the Daring, must test your skills as you are thrust into a frantic quest through time to save Daphne and the Children before they are trapped in the Vortex of Eternity. \$59.95  
**ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175**

## DragonStrike

Feel the raw power of the mighty dragon surging beneath you as the wind beats against your face. The deadly skies above the AD&D DRAGONLANCE game world of Krynn explode before your very eyes. Learn to fly dragons and master over 20 different missions. Progress through three different orders of Solamnic Knighthood, gaining bigger, more powerful dragon mounts as you go. \$19.95  
**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Dragons of Flame

Explodes with action! Control up to 10 Companions, one at a time. Your quest: rescue slaves held by the ravaging Dragonarmies in the impenetrable fortress of Pax Tharkas, crackling with vile energy. The Companions explore the wilderness of the Elven Mosaic, where they gain valuable allies—the mysterious elves of Qualinesti. Each Companion has different specialized skills. Use them wisely to evade evil Draconian patrols, Dragons, Giant Wasps, Griffins, Wraiths, Zombies, and other monsters! 512K. \$14.95  
**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Dragonscape

Dragonscape is the wackiest, fastest, toughest, most addictive fantasy shoot-'em-up to appear on the Amiga. Featuring 64-way scrolling, four multi-screen levels, a full musical soundtrack, and 100 types of opponents, Dragonscape is fast, furious fun. \$39.95  
**Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650**

## Dragon's Lair

The much-awaited arcade classic. Six digitized disks bring the coin-op laser legend to the Amiga. As Dirk the Daring, you'll try to rescue Princess Daphne from the evil Dragon, Singe. Requires 1MB RAM. \$59.95  
**ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175**

## Dungeon Master

| Table of Contents                    |
|--------------------------------------|
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Entertainment

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

Real-time dungeon exploration with 3-D view. Levels upon levels of monsters, puzzles, and more. Mouse-only interface. Quick reference answers manual available (see Books and Tapes section). \$39.95  
*FTL Games, 6160 Lusk Blvd. C-102, San Diego, CA 92121; (619) 453-5711*

## Dungeon Master Survival Kit

Dungeon Master Survival Kit includes maps, walkthrough, spell list, and other vital information for Dungeon Master and Chaos Strikes Back. This kit also contains Custom Character Editors for both games. Requires 1MB. \$19.95  
*Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308; (817) 691-0964*

## Eagle's Rider

The year is 7014, the war between humans and cyborgs continues. Only a few solar systems remain under human control. You are Captain Steve Jordan, elite pilot of the 637th squadron of interceptors. You had been taken prisoner by the cyborgs. Somehow you've managed to escape from your prison planet, stealing their new fighter, Eagle. Fly your Eagle fighter throughout space at lightning speed, avoiding collision with asteroids and mines. \$49.95  
*Titus Software Corporation, 20432 Cortico St., Chatsworth, CA 91311; (818) 709-3693*

## Earl Weaver Baseball Data Disk

Statistics from 1986 major-league teams. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## EbonStar

Skill and strategy. Avoid satellites, armed drones, and the Warp, to destroy competitors by hurling them into the synthetic black hole. One to four players, 50 levels of complexity. Fast paced free-flowing graphics and animation are sure to keep you captivated! \$24.95  
*MicroIllusions, 13464 Washington Blvd., Marina Del Rey, CA 90291; (310) 822-9200*

## Echelon

True simulation puts you in control of the C104 and in the heart of the action. You operate the craft from inside the control room. As the top ISF pilot, you are in command of the C104 Tomahawk stationed in patrol zone 106. As the only patrol craft in the zone, you must fly daily reconnaissance missions. Search for artifacts and clues that reveal location of the space pirate stronghold. \$44.95  
*Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837; (800) 800-4880*

## Electric Crayon: Never Ending Story II

The Never Ending Story II contains 30 pictures of Bastian and his friends in the world of Fantasia. Children can color and enjoy each picture time and time again. Print banners as well as posters and calendars of their favorite characters. \$17.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## Elf

You encounter strange experiences in your travels as Cornelius the Elf. Your true love, Elisa, has been abducted by Necrilous the Not Very Nice, and imprisoned in his dark castle. To reach her, you must traverse enchanted woods, underground mines, jungle swamps, and snow-capped peaks, where bizarre, villainous creatures and devious puzzles test your mettle at every step! Fortunately, your magic ring can cast many spells, increasing in power as you tread deeper into mystical lands of goons, goblins, and demons. You can even control some of the background game features, helping you get to where you think you should be. Numerous secret areas lie within the forest, where vital clues can aid your quest, but beware—your own ghost may materialize to haunt you! Kickstart 1, 2, 1.3. \$39.95  
*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## Eliminator

Space highway arcade game. \$34.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Elvira II: The Jaws of Cerberus

Rescue Elvira from the ghastly Cerberus, the 60-foot tall, three-headed demon who has found its way into our dimension and now holds her captive somewhere in the depths of a huge film studio. The game features more locales to explore, including three frighteningly authentic movie studios, and more gruesome and vividly graphic creatures to combat both physically and magically. Gameplay is enhanced with realistic and spooky animated graphics, a haunting original soundtrack, and a transparent interface that, working together, completely embroil the player in an experience synonymous with a first class horror movie. \$59.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Elvira, Mistress of the Dark

Featuring the sultry Elvira, the world's most famous spokesperson for ghouls and goblins, the game leads players on a ghostly and grisly role-playing adventure through a demon-filled medieval castle. Search for 'The Scroll of Spiritual Mastery' sealed in a chest bearing six different locks. You must find this before Elvira's relative, Queen Emelda, who recently rose from the dead. In your search you will cast spells using the book of magic spells while fighting off evil creatures. \$59.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Epic

A legend is born, a supremely advanced, one-man starfighter of awesome power and destructive capabilities that, in the right hands, will wreak havoc among intergalactic transgressors—that legend is Epic. A 3-D 'epic' that reaches a milestone in polygon technology in terms of speed, graphical detail, and pure playability. A multitude of missions, from devious to manic, take you deep into the heart of this sci-fi conquest of outer space. Kickstart 1, 2, 1.3. \$49.95  
*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## Escape from Singe's Castle

Plunge further into the depths of the Dragon's Lair! Just when you finally rescued Daphne from Singe the Dragon, along comes his master, the Evil One, and steals her away again. Match wits with the new challenges that confront you as well as totally new encounters never before seen in the original Dragon's Lair®. Muster all your skill and cunning to free Daphne once again in the brilliant final battle deep within the cavernous dungeons beneath the Castle. Escape from Singe's Castle installs on any hard drive, runs multitasking, and even links with the original Dragon's Lair to allow you the ultimate playing experience. \$44.95  
*Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850; (301) 926-8300*

## Espana Games 92

Strive for the gold in over 30 events including track and field, swimming, diving, boxing, wrestling, and fencing. As an experienced athlete, practice up to the day of the event. Or train an athlete for the games, improving stamina and fitness along the way! Kickstart 1, 2, 1.3. \$39.95  
*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## European Challenge

Scenery disk for The Duel. Journey through Germany, Switzerland, Holland, France, Spain, and Italy. \$21.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Eye of the Beholder

Eye of the Beholder, the first graphically based AD & D computer FRP game, uses the mouse or keyboard and an easy point-and-click interface to pick up objects, move or throw them, to ready weapons, to cast spells, etc. In the Forgotten Realms city of Waterdeep, your party of four PC's and up to two NPC's have been hired by the City Council to discover the conspiracy hidden below

the city. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## Eye of the Beholder II: Legend of Darkmoor

The exciting sequel to Eye of the Beholder is bigger, better, and meaner! Forest, temple, catacomb, and three huge towers. More people to meet, clues to learn, and mysteries to unravel. Better graphics and improved point and click interface make playing even easier. Lots of new, smarter, meaner monsters—some of the nastiest ones are human! 1MB. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## Eye of the Storm

Two hundred and sixteen years into the future, mankind has at last defeated disease, poverty, and hunger. In an effort to boost declining viewing figures, the three huge holovision conglomerates have lobbied the interplanetary legislature for many months. Finally they got their way—the creation of law-free zones, where anything can happen and does—in front of the viewing audience. You have been sent into one of those zones; into the boiling depths of Jupiter's red eye, in a kill or be killed mission. Features over 210 different types of solid 3-D objects with up to 100 faces and 26 animation positions. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## F-15 Strike Eagle II

The classic game of aerial combat roars back to life in the '90s, loaded with fast action and vivid graphics. Dogfighting is the name of the game. Although the sky swarms with bogies, your streamlined weapons console targets enemy planes with the touch of a button to let you concentrate on the action. Enemy pilots and missile crews act and react intelligently. Success depends on making the right moves—fast! \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## F-16 Combat Pilot

Players must master five basic missions to become a Squadron Commander. Once all five missions are completed, players may undertake Operation Conquest, the final scenario. By successfully blowing away the enemy in Operation Conquest, players are promoted to a more elite squadron. There are nine squadrons in all, and each promotion becomes progressively more difficult to attain. The game includes LANTIRN-guided Maverick missiles, Iron bombs and Durandals, Advanced Tactical Air Reconnaissance System, and Air-to-Air missiles. More than 500 fixed and mobile targets are spread over thousands of square miles on every mission. \$34.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## F-19 Stealth Fighter

Features an advanced cockpit with two multi-purpose display screens, a radar scope and 3-D window viewing with a superimposed heads-up display (HUD). More than 30 separate controls are used to regulate flight, engage in combat and surveillance, and maintain plane's electromagnetic profile. Scenarios are based on missions Air Force pilots have flown in training or actual missions. The action moves at Mach speeds on missions in North Africa, Central Europe, the Persian Gulf, and the North Cape of Scandinavia. Provides a constant challenge for beginning and expert game players. Authentic, state-of-the-art weapons and threats with heat-seeking, radar-homing, and video-guided missiles, plus laser-guided and free-fall bombs. \$69.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## F-29 Retaliator

Identify the enemy and rock his world. Fly the forward swept-wing F-29, whose advanced avionics are revolutionizing aviation history, or the

explosively lethal F-22 Advanced Tactical Fighter. Just log in and the ferocious action begins. Choose a fighter, arm your aircraft, and lead your squadron into the sky. There are four intense battle scenarios and 100 different missions to fly. Dogfight aerial opponents, make surgical strikes against land-based targets, and attack the enemy on sea and land. F-29 features the latest in aerodynamic technology, introducing ECOP controls, backwinder AAMS, supercruise, stealth, and more! Kickstart 1.2.1.3. \$19.95  
*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## F40 Pursuit Simulator

At the wheel of the fabulous Ferrari F40, tear through four states in search of the quickest way to accomplish your mission. Plan your route carefully from the map of each state displayed on screen. It will show the actual byways that you can speed on. Your Ferrari features the latest radar, enabling you to detect police road blocks. Realistic 3-D road junctions, hills, and superb graphics. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Faces...Tris III

Faces...Tris presents players with the task of maneuvering and positioning falling pieces. The blocks represent different face segments, from chin to forehead, of famous and not-so-famous people. As various pieces fall randomly from the top of the screen, the challenge is to stack them in the correct order to form a face. Faces features 10 levels of difficulty with different categories of faces for each level. To complicate the face building task, the blocks fall in pairs and move together left to right. The special customizing feature allows players to create and place new faces in the game using a separate paint program. \$19.95  
*Spectrum HoloByte, 2490 Mariner Square Loop, Alameda, CA 94501; (510) 522-3584*

## Faery Tale Adventure

Guide three brothers on a quest to save the land of Holm from the forces of night. Traverse caverns, mazes, forests, mountains, deserts, islands, castles, and more. Over 19,000 playable screens. 3-D overhead perspective lets you watch as goblins, skeletons, and ogres pursue the brothers. Music changes to foreshadow action, just like in the movies. Adjustable music and sound. \$49.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Falcon

Become the pilot of a realistic but playable F-16 simulation. Controls, heads-up display, and radar conform to current avionics of the F-16A. Game includes 12 missions which vary from air to ground bombing runs to dogfighting up to three enemy MiGs at a time. The most outstanding feature is the ability to go head-to-head against an opponent on a second Amiga, Advance from 1st Lt. to Colonel with increasing abilities such as the Immelmann, yo-yo's, loops, and scissors. Incorporates real action sounds, including engine start-up, machine gun, missile launch. Four cockpit views and three tower views, zoom-in and zoom-out features. So realistic, Falcon is being used in a military aircrew training program. See CDTV section also. \$49.95  
*Spectrum HoloByte, 2490 Mariner Square Loop, Alameda, CA 94501; (510) 522-3584*

## Falcon Mission Disk II: Firefight

Your mission: annihilate enemy tanks, trucks, MiGs, Hinds, pontoon bridges, and supply lines—fast! These 12 new heart-pounding missions are guaranteed to test the skill of even the most seasoned Falcon pilot. Wield new weapons and equipment. Air-to-air radar-guided missiles, high-speed anti-radiation missiles, and radar jammers. Achieve tank superiority, and you'll earn the Medal of Honor. \$29.95  
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## Falcon Mission Disk: Counterstrike

Falcon Mission Disk gives you the incredible maneuverability and weaponry of your original Falcon F-16 simulation, plus a new set of missions

with more enemy vehicles, new terrain, and improved graphics and playability. Your objective: total defeat of the enemy by destroying his industrial and ground assets, while protecting your base from attack. The enemy comes by land, sea and air; you'll have to dig deep into your bag of tricks to repel this attack. It's a whole new world of challenges with the Falcon Mission Disk. Expand your horizons as you go head-to-head with the latest in flight simulations. System requirements: Amiga, 512K RAM, KickStart 1.2 or above, one 3.5-inch disk drive, Monitor, and the original Falcon program in order to run Falcon Mission Disk. PAL compatible. \$24.95  
*Spectrum HoloByte, 2490 Mariner Square Loop, Alameda, CA 94501; (510) 522-3584*

## Famous Courses Disk Volume #1

Featuring Harbour Town, South Carolina; Sunningdale, London; Dorado Beach, Puerto Rico; and the most difficult and challenging course Pine Ridge. Each course features a scorecard printout, a top view, and an all new Punch feature which lowers the trajectory of the ball and assists in tree play. Requires World Class Leaderboard. \$19.95  
*Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837; (800) 800-4880*

## Famous European Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Club de Golf Sotogrande, Spain; Chantilly, France; Falsterbo Golfklubb, Sweden; Club Zur Vahr, Germany; and Royal Liverpool (Hoylake), England. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Fantastic Voyage

Based on the 20th Century Fox film, Fantastic Voyage challenges players to make their way through the human bloodstream in order to destroy a blood clot in the brain, fighting antagonistic white blood cells, antibodies and other hazards along the way. The game features unique organic graphics and sound effects. \$49.95  
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## Fast Break

Three-on-three basketball with double-clutch, mid-air, off the glass animation. Go to the playbook for 15 offensive and five defensive pro-styles. Design your own plays with the exclusive Playmaker feature. View network television court perspective. \$19.95  
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**Please see display ad page 171.**

## Femme Fatale V3.0

Digital puzzle for adults. More pictures and options. Ten exquisite girls digitized in full color. 25 large, full screen images. Five difficulty levels (20, 32, 50, 80, 100 pieces). Digitized feminine voice assistance. Load/Save game options, hints, undo, status. Choose from our superb library of Digitized Data Disks or use your own images. Includes free data disk vol. 9. Entertaining and addictive. \$34.95. Data disk bundles, each set with minimum of 20 images, available for \$24.95.  
*Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110; (201) 661-0408*

## Fiendish Freddy's Big Top O' Fun

Take a satiric, twisted visit to the circus with this arcade-style game, which uses slapstick humor and superior cartoon-style animation. Take center ring on the trapeze or in five other events, but look out for Fiendish Freddy, the cynical circus saboteur who will thwart you at every turn. \$49.95  
*MindScape, A Software Toolworks company, 60*

*Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Fighter Duel Pro

A professional package for the serious aviator. Included among the 16 Allied and Axis aircraft are Mustang, Spitfire, ME109, and futuristic Japanese J7W Shinden. Connect second computer through main flight computer's parallel port via special FDPro Parallel Adapter which continually displays view to rear of aircraft. Has review mode, unrestricted panorama, multiple bogeys, catapult launches, more. For all Amigas with Kickstart 1.2 or higher, 1MB. (See also Flight Recorder under Toaster category.) \$59.95. Parallel adapter \$20 list or \$15 direct from Jaeger.  
*Jaeger Software, 7800 White Cliff Terrace, Rockville, MD 20855; (301) 948-6862*

## Fighting for Rome

Take command of your own Roman army and pit your skill and strategies against your computer opponent. In this unique miniature-style war game you can recreate classic Roman battles in your own home. Control your armies individually or in groups. Options let you order your troops into formations such as double ranks or squares, and you can command groups to march, run, or charge. By Impressions. Requires 640K RAM, CGA/EGA/VGA, mouse. \$29.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## Final Conflict

Real time global warfare—that's what The Final Conflict portrays. Picture yourself in a number of tension-packed global situations where a country is trying to face down other countries through diplomacy, threats, or outright nuclear attack. Build tanks, infantry, spies, ships, and missiles. An alarm will sound when your enemies' missiles are within 10 seconds of impact. At five seconds you can go to the missile defense network, a short arcade sequence to let you defend your homelands. Requires 640K RAM, CGA/EGA/VGA, mouse. By Impressions. \$29.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## Final Mission

Avoid enemies, collect objects. Dig and climb your way through 350 different levels. Dangerous mines, traps, and energy fields will push you to the limit. Excellent graphics, sound, and programming. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Fire Power

Arcade-style tank battle featuring one-to-one playability on split screens—against the computer, against a friend, or over the modem. Smooth scrolling graphics and animation give the game a realistic feel. Sound effects like tank engines, explosions, and helicopters keep you on your toes as you defend against the enemy and its helicopters. Rescue your troops and return them to the first aid stations. Multiple fields and random flag locations allow a variety of strategies. Three tanks to choose from. \$24.95  
*MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200*

## Fire and Forget

Earth is in turmoil and you must save it. You're the top commander of the Thunder Master, the world's ultimate fighting machine. Face three levels of six conflicts from guerrilla to global war. Let Thunder Master's V-16 triple turbo engine and four-wheel drive speed you through enemy terrain. If you need help, radio to a partner. Let the commander of the magnetic levitation unit Thunder Cloud help you by manning the skies while you take the ground. \$39.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Fire and Forget II

Mines, armored crafts, bombers, jumpers, probes, and suckers will be your opponents. They are all different and use various combat techniques, but

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software (FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

they have one common point; they are exterminators. The ability to fly will be your strength, but you will certainly need it to catch up to the head of the convoy before the fatal explosion. \$44.95  
**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## Fireteam 2200

A wargame set in the 23rd century. Can be played against computer opponent, or two player mode on one machine or via modem or direct cable connection. Amiga owners can play with IBM owners. Offers Line-of-Sight, over 30 Combat Units with 25 different Weapons Systems, and the option to fight alone or command a Fireteam. Bio-Intelligent Battle Computer with automatic Friend or Foe recognition. Datalink to Fireteam Vehicles. With the push of a button you can Scan, Choose a Weapon, Target an Enemy, and Open Fire! Amiga 1000/2000/3000:1MB. Digitized sound effects. \$29.95  
**R.A.W. Entertainment, 957 NASA Road One, Ste. 146, Houston, TX 77058; (713) 286-2386**

## Flames of Freedom

The climatic disaster that precipitated a new Ice Age has finally diminished. As the ice and snow begin to melt, the people search for a home safe from the rising seas. But there is no paradise to be found, only the Saharan Empire—a brutal, totalitarian regime determined to control and manipulate everything in its path; an empire so powerful it can only be defeated from within. Your mission: promote discontent and revolution among the empire's populace through high-risk undercover operations. \$49.95  
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## Flight Simulator II

Cessna 182 single-engine plane flight simulator. Over 120 airports, five scenery areas. Full instrumentation, many features. \$49.95  
**subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820; (800) 637-4983**

## Flight of the Intruder

Flying either an A-6 Intruder or F-4 Phantom in the computer simulation, players are sent into combat from their base on the carrier USS Shiloh. The action takes place during the 1972 Linebacker campaign over North Vietnam. It features multiple missions in which the pilot is usually part of a larger operation undertaken by one of several sections of aircraft. Typical enemy targets include bridges, power supply plants, docks, and shipping facilities. To be successful, players must be prepared to run the gauntlet of both air and ground defenses. You may also choose to take on the role of Mission Commander. \$59.95  
**Spectrum HoLoByte, 2490 Mariner Square Loop, Alameda, CA 94501; (510) 522-3584**

## Formula 1 Grand Prix

Six International Circuits. Five different cars. Six-speed gearboxes, lap records, and more. Up to three cars on the track at the same time. \$29.95  
**StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792; (407) 657-7553**

## Four Crystals of Trazere

The land of Trazere has always been one of enchantment. That enchantment has taken a terrible turn; the Trazerians have been transformed into horrible mutants, bent on wreaking havoc. As your band of four arrives in this normally tranquil countryside, the transmogrification is immediately evident. But how did it happen, and can it be reversed? Four crystals hold the key, but it's up to you to determine how to use them. Requires 512K, Workbench 1.2 or higher. \$49.95  
**Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Fright Night

You're Jerry Dandrige, and you've got 12 hours to bite everyone in the house before they stake it to you. Game play by Steve Bak and graphics by Pete Lyon. \$19.95  
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## Frostbyte

Fast-moving arcade adventure starring Hickey the Kreezer. Help him to free his fellow remaining Kreezers from the goulsh monsters who inhabit the planet craters. Fifty different screens, great graphics, and sounds. \$29.95  
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## Full Count Baseball

Strategy simulation so real, you can almost hear the crack of the bat. Comes complete with 78 teams, a stats compiler; one, two, and computer vs. computer play modes; and draft, trade, input players/teams options. \$39.99  
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## Future Classics Collection

A collection of five entirely new games in one package: Diskman, TankBattle, BlockAlanche, Lost 'N Maze, and Diet Riot. Offers three ways to play each game: Split-Screen for two-player head-to-head competition; Full Screen for two player game or single player; and Split Screen against one of three computer characters. Each game has 20 to 50 or more levels in each mode. \$39.95  
**Live Studios, Inc., 30151 Branding Iron Rd, San Juan Capistrano, CA 92675; (714) 661-8337**

## Future Wars

Graphic adventure game in which the player must crisscross through time to prevent the destruction of Earth in the distant future. See CDTV section also. \$49.95  
**Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655**

## GRIDIRON!

Football simulation uses digitized audio. Devise and call your own plays. Loaded entirely into RAM and runs in real time with five levels of play. Requires 512K RAM. \$39.95  
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## Galactic Conqueror

Fast action of a coin-op game and the sophisticated strategy of a computer. Located in the center of the galaxy is Gallion, the supreme headquarters of the stellar league. They have detected an enemy invasion. As the only one with enough experience to handle a strategic conflict, you will be sent to stop the invasion. Which of the 416 planets will be the most important to liberate and aid in the battle? Which planets may not be counted on? Join a training mission at any time, to increase your skills and attain a higher level of performance. \$44.95  
**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## Galactic Invasion

Intergalactic dogfight. Invade the enemy galaxy and capture and destroy their satellite stations. Find material to build the ultimate doomsday weapon. Real-time interactive graphics, digitized stereo sound, computer opponent, 3-D galaxy complete with stars, planets, moons, suns, and asteroid belts. \$14.95  
**MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200**

## Gateway to the Savage Frontier

Gateway to the Savage Frontier is Volume 1 in a completely new AD&D computer fantasy role-playing epic. It takes place in the mysterious unexplored territory within TSR's Forgotten Realms game world. Starting in the town of Yarter, you must adventure over a vast area of wilderness on a quest to gather four magical statuettes. With these statuettes you thwart the invasion from across the seemingly impassable Great Desert of Anauroch. Varying degrees of character levels from novice to advanced. \$49.95  
**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Gauntlet II

Based on the arcade mega-hit, Gauntlet II brings

you superlative graphics, sound, and total excitement. In search of magical treasures, you explore the Dark Dungeons while battling ghosts, demons, fire-breathing dragons, sorcerers, and other deadly foes. Come live the fantasy of the popular legendary characters—Thor, Thyra, Questor, and Merlin. Up to four players can join in on the action at any time during play. \$49.95

**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## General Manager Basketball

Featuring the MBA Draft. GM BASKETBALL breaks the mold set by other developers and offers all new challenges in the ULTIMATE basketball simulation. You get a 4-year contract as General Manager and Head Coach. You must use your front office skills and coaching savvy to turn a losing franchise into a contender! Compete with GMs around the league in scouting, drafting, and signing the top college players in the draft. It's never the same game twice because different college players come out every season, resulting in different teams every year! Features: round by round draft picks, agent/salary negotiations, size/speed/stamina ratings, roster editing(cuts), game/season statistics, one or two player mode, exhibition games, MBA playoffs. Requires A500, 512K, Workbench 1.3. \$39.95  
**Mahoney Software Products, 897 Charlotte Dr, Newport News, VA 23601-1068; (804) 591-9330**

## General Managers Football

Featuring the MFL Draft. Scout, draft, and hopefully sign, the top college players in the draft. Features: super animation, round by round draft picks, agent/salary negotiations, size/speed/stamina ratings, game/season statistics, one or two player mode, exhibition games, and more. For Amiga 500, Workbench 1.3. \$39.95  
**Mahoney Software Products, 897 Charlotte Dr, Newport News, VA 23601-1068; (804) 591-9330**

## Genghis Khan

Genghis Khan catapults the player into an era of world conquest and domination. There are two separate scenarios—Mongol Conquest and World Conquest—each offering a game system that virtually never puts the player in the same position twice, allowing for endless hours of absorbing game play. As a player you attempt to build an empire. Keep it by making your populace happy, your treasury full, your subordinates loyal, and your enemies at bay. The human side of empire building has not been forgotten. Finding the right way to approach a hostile empress is just as important as training troops in battle. Do not let your guard down, and be ready for a host of problems. \$59.95  
**Koet Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayside Highway, Burlingame, CA 94010; (415) 348-0200**

## Gettysburg: The Turning Point

Reenacts the three-day Gettysburg Civil War battle in 42 turns. Command-control system shows the effects of the commanders, ammunition points, fatigue, and other factors. Basic, intermediate, and advanced modes available. Computer allows you to play the Blue or the Grey. \$59.95  
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## Global Effect

Should you take a turn saving the Earth? You may choose to save, rule, or create a world. Spread before a massive game area of 64,000 separate locations, Global Effect simulates the interactions of economical, industrial, environmental, and military factors in managing world balance. You need to take into account other players and the broader backdrop of environmental balance. Most options available to the governments of the world will be available to you, the leader of a task force sent on government missions to secure distant worlds for the growing galactic civilization. Developed by Millenium. \$49.95  
**Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525**

## Globulus

A unique combination of action and strategy on a 3-D isometric maze. Puzzling fun for all! \$29.95  
*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434*

## Gods

From Konami and Renegade. Ancient Greece has been taken over by the forces of darkness. As powerful Hercules, players battle through four action-packed levels to achieve immortality. Each level has three worlds of adversaries and puzzles. Progression puzzles must be solved; reward puzzles are helpful in advancing. \$39.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## Gold Rush

Historical adventure follows a 49er from New York to California. Three different games, one for each path the miner follows. \$39.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Gold of the Americas

Conquest of the new world. Fame and fortune are waiting to be claimed in the new world. Just explore virgin wilderness, deal with natives, establish Colonies, and extract the gold. Then keep it out of the hands of the other major powers, while avoiding the rapacious demands of your own government. Historical or random start scenarios with ruthless and cunning computer opponents. \$45.00  
*Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514; (904) 494-9373*

## Golden Axe

The Death Adder is tyrannizing the people of Yuria. Only three heroes have the strength to stop the ruthless tyrant and regain the throne. Tyrus-Flare, a beautiful and powerful amazon is empowered by a special fire magic. Gilius-Thunderhead rumbles and tumbles to the scene with his astonishing combination of lighting power and gymnastics skills. And the Axe Battler has sharpened his giant sword for battle. You must choose which challenger to send into the dreaded path of the Death Adder. Your weapons range from razor-sharp swords to curtains of fire. You can even joust with your foes. Remember, one dose of magic can wipe away an acre of evil. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Goldrunner

The first installment of the Goldrunner series. Join in as humankind prepares to leave Earth and enter the Golden Age. Can you become the fabled Goldrunner in the battle for the Ring-Worlds of Triton? \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Goldrunner II

Fifty years ago, the first Goldrunner, a brave and bold warrior, defeated a powerful force of space pirates to save the world. The past five decades of life on the Ring-Worlds of Triton have altered the life of the human race. No longer a warrior, technology has made man a new fighter. But the robots that defend his home have been captured by pirates and turned against him. That's when the action begins. Fly your single-seated fighter to the platforms, outwit the pirates' defense system, and recover the robots. \$19.95  
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## Grand Prix Circuit

You do more than drive a car. Qualify in races against the clock, single races against nine computer drivers who have unique personalities and characteristics; and ultimately the World Driving Championship where they race on all eight tracks. \$24.95  
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Three award-winning graphic adventures: Deja

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Experience high end WWII Navy combat simulation. Stunning cinematics, dynamic sound effects, on-line documentary database, extensive historical viewpoint. Choose among three levels of play in either campaign or scenario mode. Watch out for storms because weather, time of day, and time of year impact game play! \$69.95  
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## Great Resort Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Muirfield Village (Dublin, OH); Mission Hills (Rancho Mirage, CA); Eagle Ridge (Galena, IL); Dorado Beach (Puerto Rico); Banff Springs Hotel Course (Canada). No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Greens

The definitive golf simulation. Accurately recreates fairways and greens of every hole with stunning 3-D technology that lets you move anywhere around the course. Follow the ball as it flies through the air and watch from numerous selectable TV viewing positions. Accurately modelled club and ball dynamics, choice of club selection, ball and foot positions, swing, varying course conditions. Actually improve your own golf game! \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Greg Norman's Shark Attack! The Ultimate Golf Simulator

It's professional golf at its best with Greg Norman. A state-of-the-art golf graphics better than ever seen before. Just a few of the many features: 3-D perspective, adjustable weather conditions, numerous game types. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710*

## Guerilla In Bolivia

A strategic simulation with action sequences. The game is inspired by the diaries of Che Guevara. Leading a guerilla troop is a dangerous and demanding challenge. You must take on government troops and manage the daily survival of your followers. The simulation takes place across the whole of Bolivia, and you have six detailed maps as used by Che himself. You will have to deal with ambushes, clashes with militia, sort out the food and provisions for your men, train any new recruits, and run a Guerilla campaign. You start with 15 fighting men, the core of Che Guevara's operational unit. \$45.00  
*Cases Computer Simulations Ltd., 642 Lea Bridge Road, London, E10 6AP, England; (011) 4481-558-5274*

## Gun Shoot

Shoot 12 different criminals; but don't touch the civilians. Includes two-player mode and digitized sound. \$14.95  
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## Gunboat: River Combat Simulation

Twisted jungle rivers and tight-quarters combat combine for one-of-a-kind adventure in Gunboat: River Combat Simulation. Enter three sweltering combat zones; operate a U.S. Navy River Patrol Boat in over 20 missions; step into the abyss known as Riverine Operations; get a first-person perspective from four battle stations; open fire with authentic gunboat weaponry; experience explosive 3-D realism. \$49.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Gunship

Gunship, a combat helicopter simulation, puts the

player at the controls of the world's finest attack helicopter, the U.S. Army's AH-64A Apache. The gunship arsenal boasts Hellfire and Sidewinder missiles, Folding Fin aerial rockets, and a 30mm cannon capable of firing 625 rounds per minute. To make the game challenging for novices and combat simulation experts, Gunship offers a variety of skill and reality levels, mission types, and specific mission objectives. \$54.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Guy Spy

Being the world's greatest counter-espionage agent, you, Guy Spy, have been chosen to carry out your government's most important orders—destroy the doomsday machine of the evil Von Max. You have very little to go on other than it is known that Von Max is currently located in Berlin and if you don't get there quickly he will surely be on his way to collect the fabled crystals that he needs to tap into an immense power source. Intelligence reports have linked Von Max to a terrorist group that would love to hold the world for ransom with the power locked in the crystals. Your orders are to stop Von Max at any cost...before it's too late. Features classical cartoon animation with full control over the animated characters. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## Halls of Montezuma

The Battles history of the USMC. This is the battle history of Americas greatest fighting force tracing it's history from Mexico City to the savage street fighting of Hue in Vietnam. The scenarios are Mexico City, Belleau Wood, Okinawa, Iwo Jima, Pusan, Inchon, and Hue. With special battle notes for each scenario. \$49.95  
*Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514; (904) 494-9373*

## Hard Nova

In Hard Nova you assume the identity of the toughest mercenary in the frontier systems, a woman called Nova (or a man called Stark). Dangerous, high-paying jobs flourish on the frontier: run guns, kidnap world leaders, assassinate high-profile corporate presidents, or engage in full-scale guerrilla warfare. It features three different real-time combat systems. Fight indoors with blasters and grenades. Dogfight in hoverships as you hug the contours of a rocky planet. Fire megacannons and guided missiles in large-scale space combat. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## HardBall II

Sports simulation. Sequel to HardBall, the world's best selling computer baseball game. HardBall II allows you to make coaching decisions based upon players' game performances, as well as historical data. \$49.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Hare Raising Havoc

Our hero Roger is left in charge of Baby Herman by Mommy, but faster than you can say rubber baby buggy bumper, Baby Herman has disappeared! Players will have to help Roger escape from a seemingly endless string of predicaments to bring Baby Herman back before Mommy returns home. Can Roger find Baby Herman in time? Has he been kidnapped? Why would any responsible parent leave their child with a cartoon rabbit? These questions and more are waiting to be answered in Hare Raising Havoc. \$49.95  
*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521; (818) 973-4390 sales*

## Harley-Davidson: The Road to Sturgis

Jump on your HOG and hit the road to the biggest rally of the year in this adventure/driving combination. Compete in real Harley events, customize your bike, and party with the brothers as you improve your biker ranking. A few too many speeding tickets, blown tires, and bad decisions

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

could leave you eating dust instead of burning rubber! \$39.95  
**MindScape**, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000

## Harpoon

Harpoon is a contemporary naval wargame. It has 16-color, 640 x 200 medium resolution graphics and complete digitized sound. Also available is a Scenery Editor \$39.95 and two additional battle sets—North Atlantic Convoy and Mediterranean Sea \$29.95. \$59.95  
**Three-Sixty, Inc.**, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## Harpoon Challenger Pack, Signature Edition

Includes Harpoon master game, BattleSets 2,3,4, and Scenario Editor. Also includes Harpoon rev 1.3, providing user with most current technology. \$79.95  
**Three-Sixty, Inc.**, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## Harpoon's BattleSet #2

BattleSet #2, North Atlantic Convoy provides Harpoon owners with 16 additional scenarios in the strategically important area of the North Atlantic. As the war continues, the early attrition on both land and sea is devastating. Without the ability to get men and material from the Americas to the European theaters of combat quickly and without excessive losses, NATO will lose the war and Russia will dominate the world. As the commander of NATO's North Atlantic Naval Task Force, you are called upon to determine how best to utilize the forces under your control to ensure replenishment of the European theaters. You make the decisions that determine who wins or loses World War III. \$29.95

**Three-Sixty, Inc.**, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## Harpoon's BattleSet #3

The Med Conflict, focusing on the world's hottest confrontational geography in the winter of 1990, is the latest data disk from Three-Sixty for its Harpoon Simulation. It provides a fascinating view of the possible action behind the current international news headlines. Most of the scenarios focus on the region's smaller countries and their potential conflicts, not those of the super powers. Features include 16 scenarios, 60 new platforms, including hydrofoils, helicopter cruisers, German type 209 submarines, and a variety of small combatants. \$29.95

**Three-Sixty, Inc.**, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## Harpoon's BattleSet #4

Indian Ocean/Persian Gulf. As the situation unfolds, the precious oil resources of the Persian Gulf are in danger of falling into the hands of madmen. The naval forces at your command are the only safeguard against global economic collapse and the destruction of freedom in the region. New Soviet Kusnetsov, French de Gaube, and new Indian carriers. Regional forces from over 24 countries. Several new submarines, including Soviet Alfa, Indian Type 1500, and Indonesian Type 1300. Air forces augmented by new Soviet MiG-31 and Yak-141, American F-117A, F-15E, B52, and international SU-17 and SU 7BMK. Emphasizes key strengths and weaknesses of submarine warfare and demonstrates role of surface combatants. Requires 1MB. \$39.95

**Three-Sixty, Inc.**, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## Harrier Combat Simulator

Strap yourself into the most sophisticated and deadly close-range combat aircraft of today—the Harrier jump jet. Fly this ultra-realistic plane to destroy the enemy headquarters 500 miles away. You'll need all of your skills to conquer enemy air and ground forces in this exciting flight simulator/

combat game. \$49.95

**MindScape**, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000

## Harrier Mission

Land on a carrier, hover, and evade missiles. Shoot the enemy down with a heat-seeking missile or gunnery skills. Avoid being shot and make sure you've got enough fuel to return to the carrier. \$24.95

**MindScape**, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000

## Hawaiian Odyssey Scenery Adventure

Explore a tropical paradise with Hawaiian Odyssey. This enhancement disk can be used with all subLOGIC flight simulation products. Hawaii's natural beauty makes it the perfect area for both visual flight sightseeing and VFR or IFR cross-country navigation. Hawaiian Odyssey also offers the very first structured subLOGIC scenery adventure. Locating the secret jewel of the goddess Pele from the cockpit of your aircraft isn't as simple as spotting an object from a distance and then flying toward it; you must find and follow an intricate set of clues scattered about the Hawaiian Islands that will guide you to your goal. 'Hawaiian Odyssey' is an add-on disk designed to expand the flying environment of all subLOGIC integrated flight line products. You must have a subLOGIC flight simulation program in order to use this disk. \$29.95  
**subLOGIC Corporation**, 713 Edgebrook Drive, Champaign, IL 61820; (800) 637-4983

## Heart of the Dragon

Dare to enter a world of magic and mystery brought to life in 4096 colors. Heart of the Dragon is a fantasy/arcade adventure featuring full character interactions, puzzles & features along with arcade-style excitement. Over 6MB of photorealistic graphics and 4,096-color HAM mode adventure screens make this title an Amiga show-piece! Game features both one-and two-player (cooperative) action, and a computer demo mode. Stunning music and sound effects round out the package. Hard disk installable, AmigaDOS release 2.0-compatible. \$49.95

**Avatar Consulting**, 10868 Camonito Alto, San Diego, CA 92131; (619) 693-1161

## Heat Wave

Offshore superboat racing simulation. Experience the speed and danger of real offshore racing in a 600 HP superboat. Actual races set in Miami, along the Mississippi, Biscayne Bay, and Ft. Lauderdale. \$29.95

**Accolade**, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700

## Heavy Metal Modern Land Combat

A sophisticated war simulation game that combines the best elements of simulated arcade action and strategy. Each player starts out as a second lieutenant and is able to move up through the ranks based on field performance. \$44.95

**Access Software, Inc.**, 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837; (800) 800-4880

## Highway Patrol II

Summer 1989 on a hot day. You are parked on the side of an interstate in Arizona with the air conditioning on high. From the radio comes an APB, 'alert to all units, a fugitive killer has escaped and is driving eastbound on Interstate 10 towards the state line. Use caution.' Highway Patrol II gives you full simulator power. You control the sliding car, U-turns, tail-spins. Watch out for flat tires and empty fuel tanks. You will have to drive very fast and to catch the villains you may leave the road and drive through the desert, but the use of your compass and your map is mandatory. \$44.95

**Titus Software Corporation**, 20432 Cortico St., Chatsworth, CA 91311; (818) 709-3693

## Hill Street Blues

Simulated city of Hill Street has intelligent traffic system with smooth flow of up to 400 vehicles. Over 400 computer-controlled pedestrians, includ-

ing criminals. As Captain Frank Furillo, you deploy police officers, increase the crime detection rate, and reduce the number of crimes committed, or else be fired by the mayor. And remember, let's be careful out there! \$39.95

**DigiTek Software**, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733

## Hits

Four disk games for the price of one, with color and sound from the original. Games include Goldrunner, Slaygon, Jupiter Probe, and Karate Kid Part II. \$34.95

**MichTron**, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946

## Hockey League Simulator

Become coach and general manager of your own hockey league. From first draft through the Stanley Cup playoffs, you make the key decisions. The HLS provides sophisticated, but easy-to-use tools for designing league statistics, including overall standings, leading defensemen, and team power play results, to name just a few. \$39.95

**Media Technology Limited**, 1370 Picard Drive, Ste 120, Rockville, MD 20850; (301) 926-8300

## Hoi

Hoi is an advanced game of strategy and reflexes made to challenge your arcade skills. Five levels of many obstacles, puzzles, and foes to evade and defeat. NTSC/PAL. Requires 512K, joystick, keyboard, mouse. WARNING: The stroboscopic effect used in the fifth and final level could trigger EPILEPTIC seizures. If you're at risk, don't play level 5. \$39.95

**Hollywood Entertainment**, 13464 Washington Blvd., Marina Del Rey, CA 90291; (310) 822-9200

## Hole-in-One Miniature Golf

From classic holes to the bizarre, Hole-in-One Miniature Golf uses point-and-click interface to provide fun and excitement for all ages, with as many as four players at once. Two-disk set comes complete with four 18-hole courses and a tutorial course for a total of 90 exciting holes. From the traditional windmill to the inside of a pinball machine. Features multitasking, installable on hard drive, VDO., in RAM. Scorecard printout on any Amiga compatible printer. Extra course disks available. Various holes can be viewed from different perspectives. \$39.95

**DigiTek Software**, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733

## Hole-in-One Miniature Golf Extra Course Disk #3

The additional course disk for Hole-in-One Miniature Golf comes with three more breathtaking courses that give you a total of 54 more exciting holes. Fight gravity, magnetism and disappearances in the holes of Out of This World; enjoy the visually stunning and amazingly realistic holes in Holidays, a journey through holidays of the year; and have fun with the hilarious and educational holes in Alphabet Soup. \$19.95

**DigiTek Software**, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733

## Home Alone

Based on the mega-hit movie, Home Alone puts you in the role of eight-year-old Kevin, trying to foil the break-in of two inept burglars. In this two-phase action game, first you must rush throughout the house, creating traps and pitfalls; then you must lure the burglars into a wacky chase through your clever contraptions as you protect your home—alone. Comic twists and infinite variations, plus digitized pictures and sounds from the movie will make Home Alone the computer game, a family favorite. Available November 1991. \$39.95  
**Capstone**, A division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900

## Hook

Peter Banning is a respectable, hard-working married man with two children—but his long-forgotten past has come back to haunt him. He was Peter Pan! His two children have been kidnapped by his

old adversary, Captain Hook, and Peter must travel to Neverland to rescue them and recapture his lost youth. Kickstart 1.2, 1.3. \$49.95  
*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## Hostage

Control a six-person strike team assigned to rescue embassy hostages being held by terrorists in this action/strategy game. Change perspectives instantly with a unique interface. Quick thinking determines which rescuer to maneuver. TV-news quality graphics and easy-to-use controls create an ultra-realistic experience. \$44.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## HoverForce

Set in the genetically engineered future of 2050, HoverForce pits players against Alterants—a deadly and powerful new class of biotechnically-created crime lords. These mutant gangsters traffic in 'Aftershock,' a dangerous new substance more addictive than any known drug. To combat this new race of super-criminal, public officials have created an elite class of genetically enhanced public enforcers known as the Red Wasp Unit, and trained them in the use of the Hoversled 1000—an electrifying flying arsenal with such unimaginable speed, power, and maneuverability that it's no surprise the Alterants too use the craft. You manage the firepower, study the maps, then blast mutants and agile spider mines at the speed of thought. \$49.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Hoyle's Book of Games Volume 2: Solitaire

A true card player's delight, with 28 different solitaire games in one easy-to-play package, the game can be played with mouse, keyboard or joystick. Play familiar favorites like Klondike, Canfield, and Pyramid, to lesser known games such as Eliminator, with easy and hard variations on each game. Requires 1 MB. \$34.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Hoyle's Book of Games: Volume 3

Six new games of strategy and skill—Backgammon, Pachisi, Yacht, Dominoes, Checkers, and Snakes and Ladders—differentiate Hoyle 3 from its predecessors. New multiplayer option lets you play in head-to-head competition. You can still challenge 18 different animated computer competitors as in Hoyle 1. Stereo soundtrack, crazy sound effects, applause for the winner, brilliantly hand-painted gameboards. Two low density disks, hard disk installable. Requires 1MB, Workbench 1.2 or greater. Supports Amiga 4-voice sound. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Hoyle's Book of Games™ Volume One

Learn and practice six popular card games, from Gin Rummy and Old Maid to Hearts, Cribbage, and Klondike Solitaire. Sierra's high-resolution graphics add to your game enjoyment. You'll enjoy using the highly detailed and realistic playing cards as you test your skills against 18 opposing players, including many Sierra game characters. Play Hearts with King Quest IV's King Graham or Gin Rummy with Princess Rosella, or Crazy 8's with Roger Wilco, hero of the Space Quest games. Or challenge yourself with a game of Klondike Solitaire. It's a point-and-click interface, or you can play it with arrow keys, so any small child can get the hang of it! Requires 1 MB. Will be available for CDTV. \$34.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Indiana Jones and the Fate of Atlantis

Fate of Atlantis is the largest and most complex game ever published by LucasArts Games. It has over 200 rooms, and artists rendered more than 100 pieces of original background art. The game also features advanced animation techniques. Starring Indiana Jones and introducing Madame Sophia

Hapgood, Fate of Atlantis is an exciting world-wide race to find the potent magic of Atlantis—before the Third Reich unleashes the Lost City's power for evil. Indiana Jones and the Fate of Atlantis is available for all Amiga models. The game can be played off of floppies or hard drive. Fate of Atlantis works under Kickstart 1.2 or higher.  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Indiana Jones and the Temple of Doom

Fight off Thuggee henchmen, cobras, and bats as you attempt to free the imprisoned children in this popular arcade game. Then prepare for a desperate ride on a mine railway, and a battle inside the temple itself. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Indiana Jones™ And The Last Crusade –The Action Game

You lash snakes around the gargoyle. As the Nazi searchlight sweeps upward, you swing to the tower window. It takes two-fisted courage and whip-quick reflexes to get Indy past murderous grave robbers, fanatical Nazis, and medieval mantraps in this classic arcade action game. Whip, punch, and dash your way through four levels to score high in excitement. Plenty of non-stop action. \$39.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Indiana Jones™ And The Last Crusade –The Graphic Adventure

Join Dr. Indiana Jones on challenging new adventures in his daring quest for The Holy Grail. Try to surpass Indy himself in courage and cunning, and build your I.Q. (Indy Quotient) score. An exciting battle of wits with stunning 3-D graphics, sound effects, and movie theme music. \$49.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Indianapolis 500: The Simulation

Players compete against 32 other cars in races ranging from 10 laps to the full 200 lap race. You can also practice before the race and then enter the qualifying rounds to try for the Pole position. Eight different systems on the car can be adjusted and saved to disk for later use, including shock settings, wing angles, and tire selection. Accidents on the course create spectacular special effects and can be viewed from multiple angles using Instant Replay. Create and save up to three custom cars or join one of three teams. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Indoor Sports

Turn your computer into an electronic game room, with versions of bowling, darts, air hockey, and ping-pong. Play against the computer or against a friend. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Insanity Fight

Battle in space against the evil Death Ship. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## International Soccer

Options for playing soccer put the control in your hands. You determine the challenge, and you call the shots! Control the weather: wet and slippery or the more predictable dry. Try a night game with shadows, or select a game in the wind. Choose midfield players and outfit them in colors of your choice. Half and full time score is displayed on the electronic scoreboard. Fans cheer you on to the World Cup, and onscreen referees ensure fair play. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## International Sports Challenge

This sports simulation has six different sports and 21 separate events to stretch your sporting skills to

the limit. Four swimming events are included, each allowing you to control the stroke, the athletes' breathing and end of lane turns. There are four cycling events where you control balance, steering, and speed. Show jumping offers the horse enthusiast a stunning view from the saddle as you complete four challenging courses. The diving competition allows you to compete in three events, including high diving, and allows you 50 different dives to choose from. Four different shooting events allow you to make use of your steady hand. The marathon makes an intriguing link between events, but pace yourself carefully. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## JUG

You are an interactive humanoid composed of titanium fleximetal and other organic materials. First built in 36412 AD, you were nicknamed JUG because of your barrel-chested profile and the ability to transform into many different shapes. Your duty is to seek out the deadly tumor that is destroying the planet Spireaus. Trap doors enable you to move up or down a level. The planet's immune system will see JUG as a hostile and alien body. Beware of attacks from the very planet you are trying to rescue. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Jack Nicklaus Presents The Major Championship Courses of 1989

Jack Nicklaus Presents The Major Championship Courses of 1989, is the second in a series of golf simulations created in association with Jack Nicklaus Productions. It is an add-on accessory disk exclusively for use with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf and contains simulations of the host courses of this year's U.S. Open, PGA and British Open Championships. With this new add-on accessory disk, computer-golfers are provided with simulations of three distinguished courses of this year's championships including Oak Hill, Kemper Lakes, and Royal Troon. Each of the three courses will provide computer golfers with distinct scenery and challenges where they can compete like the pros did during this year's Majors, and perhaps beat the score of the winners. \$21.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Jack Nicklaus Presents the Great Championship Courses of 1990

Exclusively for use with Jack Nicklaus' Unlimited Golf & Course Design and Jack Nicklaus' Greatest 18 Holes of Major Championship Golf, this add-on course disk contains the grand slam course of 1990 including Medinah Country Club in Illinois, Shoal Creek in Alabama and St. Andrews in Scotland. \$21.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Jack Nicklaus Presents the Great Courses of the U.S. Open

Number four in a series of add-on course disks exclusively for use with Jack Nicklaus' Unlimited Golf & Course Design and Jack Nicklaus' Greatest 18 Holes of Major Championship Golf. The new course disk contains three of the most challenging and popular courses to ever host the U.S. Open including Pebble Beach Golf Links, Oakmont Country Club, and Baltusrol Golf Club. \$21.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Jack Nicklaus Presents the Major Championship Courses of 1991

This is the fifth in a series of add-on course disks exclusively for use with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf and Nicklaus' Unlimited Golf & Course Design. It contains simulations of the host grand slam courses of this year's U.S. Open, Hazeltine National Golf Club; British Open, Royal Birkdale Golf Club; and PGA Championship, Crooked Stick Golf Club. \$21.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

| Table of Contents                    |
|--------------------------------------|
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Jack Nicklaus' Course Designers Clip Art v1

Contains more than 70 finished course objects, three new land plots and nine new scenic backgrounds for creating beautiful and challenging courses applicable to any climate. The Clip Art disk also adds a bonus 18-hole championship course, Desert Highlands Golf Club in Arizona, to the collection of add-on courses for Jack Nicklaus' Unlimited Golf & Course Design. The disk includes a selection of land plots representing three different geographic locales—a seaside vista, lush parkland, and a stark desert atmosphere, each with its own distinctive background which can be exchanged with up to six additional scenic horizons for a total tailored look. A wide collection of finished objects such as trees, cacti, rocks, and animals as well as golf carts, clubhouses, fountains—even a ball washer—helps course architects add the perfect finishing touches to their designs. \$24.95

*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Jack Nicklaus' Unlimited Golf & Course Design

This newest computer golf simulation contains all the realistic elements of championship play as well as all the tools needed to easily design challenging and visually stunning holes and courses. Included within this simulation is The Bear's Track, an oceanfront 18-hole course designed by Jack Nicklaus and his team exclusively for this new product, and a re-creation of Muirfield Village, another course designed by Jack Nicklaus and site of The Memorial Tournament. Among the features included are Instant Replay, Reverse Angle Replay, and an optional Break Grid that can be played over the green for easier interpretation of the break. Using Jack Nicklaus' Course Design, computer golfers can build their own championship layouts or recreate favorite holes they have seen or played. \$59.95

*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Jack Nicklaus' Greatest 18 Holes of Golf

Players play against a computerized Jack Nicklaus on 18 of his favorite holes or try their hand at two original Nicklaus-designed courses. Play with four people or a variety of computerized men and women. Skins scoring or stroke play; pro, men's or ladies' tees; wind intensity and direction; uphill; downhill. \$49.95

*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Jack Nicklaus' International Courses

Three international courses to be played with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf, offering computer golfers a fantasy vacation overseas with the opportunity to play on precise simulations of three championship courses designed by Jack Nicklaus in Australia, Japan, and England. \$21.95

*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## James Bond: The Stealth Affair

A graphic adventure game in which the player takes the role of James Bond and must find the missing Stealth Bomber. \$54.95

*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

## James Clavell's Shogun

As John Blackthorne, the charismatic lead character in James Clavell's novel, the player enters the 16th century. Blackthorne, an English sea pilot, has embarked on an uncharted route to Japan. Upon reaching land, he is thrust into the upper echelons of feudal Japan society at the moment a political power struggle is erupting between two Japanese regents who aspire to be Shogun. While adapting to this exotic culture, the player befriends one of the regents, Toranaga, and falls in love with the lovely court translator, Mariko. The action of the story revolves around powerful political forces which influence and ultimately control the player's life and the lives of Toranaga and Mariko. Shogun catapults players into a world rich in Japanese history and culture. Shogun's graphics are in tradi-

tional, 16th-century Japanese style and are used as text borders and story illustrations. Rewards are given for solved puzzles and successfully handled situations. \$19.95

*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049; (310) 207-4500*

## Japan Scenery Disk

For subLOGIC flight simulation products. Covers detailed scenery from Tokyo to Osaka. Delightful international adventure. \$24.95

*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820; (800) 637-4983*

## Jigsaw

An interactive puzzle which breaks a picture into pieces and lets you put them back together. For younger users, it provides an environment in which to develop visual perception, language, matching and sequencing skills, and concepts of rotation. Features include on-disk interactive manual, simple pick and place, difficulty levels ranging from six to 80 pieces, click on text to hear it spoken, variable startup conditions, add your own pictures, and create fixed grid pictures. \$19.99

*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

## Jigsaw Puzzlemania

Every puzzle is cut into authentic jigsaw shapes. Ideal for all age groups, each puzzle can be played in six different sizes ranging from 4x4 to a challenging 12x12 (144 pieces). Players are timed and wrong moves result in a penalty. Comes with over 10 puzzles and the ability to accept the user's graphics, allowing the creation of personalized puzzles. \$19.95

*Artworx, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573*

## Jigsaw! The Ultimate Electronic Puzzle

Jigsaw! features dazzling, colorful pictures that are a treat to behold. Choose from four levels of difficulty: 60 pieces—the ultimate challenge; 40 pieces—the standard level; 15 pieces—a great level for kids or for anyone who wants to get acquainted with the program or 8 pieces—easiest level, great for children ages 10 and under. \$39.95

*Compton's New Media, 345 Fourth Street, San Francisco, CA 94107; (800) 572-2272*

## Jockey Competition Option Module

The Jockey Competition Module involves you in a tough tournament and carrier battle as you pit your skills as a jockey against 14 other computer jockey opponents. Plot strategies and develop your career as you select exactly which thoroughbreds to ride to victory. This module provides detailed records and ever-changing stats. It also turns on existing code within all Track Modules to now allow you to actually control the horse you're riding in each race. Existing Tracks 1 and 2 allow this action through joystick or keyboard control while displaying side and overhead views. \$14.95

*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207*

## Joe Blade

Rescue six world leaders being held hostage by the leader of an infamous group of terrorists, Crax Bloodfinger. Joe Blade must fight the perils of danger, disarm six bombs before they explode, collect keys to cells, ammo, and food. Great color graphics. \$14.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## John Madden Football

Combines superbly rendered graphics and animation with realistic sound effects to recreate the hard-hitting intensity of the world's best collision sport. Features 17 pro-caliber teams including the All-Madden team. Each player rated on key attributes, skill positions rated in up to 11 areas, and interior linemen in up to six areas. See strengths and weaknesses of team before getting on the field, and adjust game plan accordingly. Requires

512K, 1MB or more for enhanced sound; Kickstart 1.2 or higher, joystick recommended, one or two players. \$49.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Journey

Journey is a graphically-illustrated world of dwarfs, elves, nymphs, and wizards in a despairing village that has been enduring great suffering for five years. When all hope begins to fade, a party is sent out on a quest for the revered wisdom of a great wizard, Astrix. As an apprentice food merchant, the player accompanies the party and keeps a diary of their journey. The player shares in the magical adventures of Tag, Praxix, Bergon, Esher, and Minar as they solve puzzles, overcome obstacles, and explore unknown lands. Journey players pass into the adventure with ease by simply selecting commands from a menu. Since each character can act on his own, he must play the part of a combat strategist, physician, magician, and character judge—all while pursuing the defeat of evil which has infested the land. \$29.95

*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049; (310) 207-4500*

## KNIGHT FORCE

The kingdom of Belloth is the crossroad of time and space, with each gate being the entrance to the past and the future times. Princess Tanya has been seized by the sorcerer, Red Sabbath. You will travel through time to collect the magic amulets to be able to fight Red Sabbath and his clones. Your enemies are the guards of the sorcerer who resides in the magic castle. Game played over five time zones, including prehistoric, medieval, and present day. Outstanding backdrops, realistic graphics, and animation including: castles, caverns, urchins, skeletons, and other mystical creatures. \$44.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Kaleidokubes

Kaleidokubes is an addictive mind-bender whose game concept appears simple, but becomes more complex as the game board fills and the game clock winds down. Similar to a color dominoes, your goal is to match the color sides of a randomly generated kube with the kubes already placed on the playing board. The more sides you can match, the greater your score. You can play against the computer, another person, or in solitary mode in which you play against the clock. You can also design and save your own playing boards. Features three levels of difficulty and digitized sound effects. \$19.95

*Artworx, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573*

## Kampfgruppe

Tactical WWII game featuring all the weapons used on the Russian Front from 1941-1945. \$59.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## Karate Kid Part II

One or two players, joystick or keyboard option, sound and graphics. You must discover the secret of the drum or die! Catch flies with chopsticks and break ice with your bare hand in full size with animated graphic screens. \$19.95

*MitchTron, 3201 Drummond Plaza, Newark, DE 19111; (302) 454-7946*

## Keith Van Eron's Pro Soccer

Keith Van Eron, goalkeeper for the outdoor soccer powerhouse Dallas Tornado and a living MISL legend, played every game of his career on the edge. Keith Van Eron's Pro Soccer gives you the same chance. Featuring a unique, 3-D view of the action and players that not only kick the ball, but dive, slide, and jump in the air after it, Keith Van Eron's Pro Soccer will provide endless hours of fun, whether you're playing a solitary game, or challenging a group of friends to a World Cup Tournament or grueling MISL season-long schedule. Soccer playing tips (complete with photographs) are provided in the manual. \$34.95

MicroProse Software, Inc., 180 Lakefront Drive,  
Hunt Valley, MD 21030; (410) 771-0440

## Killing Cloud

Players assume the role of a high-flying San Francisco police officer in the year 1997. The Killing Cloud, a 100-foot thick mass of pollution, covers the earth. One breath of its fumes is fatal. The player must transport survivors to safety above the cloud in a XB500 hoverbike. Crime is rampant as all the old street gangs unite to form the Black Angels. The ultimate mission is to gain information on the Black Angels, break the stronghold they have on the city, and uncover the sinister mystery of the cloud. \$19.95

Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support

## King's Bounty

Taking the part of a legendary hero/heroine, you will explore four unique continents, raise vast armies, and siege dozens of castles. You will be pitting yourself against a variety of evil villains while you try to recover the Kings stolen Scepter Of Power. Fantastic graphics, the ability to save at any time, and transparent interface make this an easy-to-play, fun, and challenging game. \$49.95

New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364; (800) 245-4525

## King's Quest I

Remember how much fun you had playing your first adventure game? Sierra is out to revive those memories with its re-release of King's Quest I. Every background picture and animation cel has been completely redesigned and redrawn, and all text rewritten to tell the game's story as vividly as possible. The addition of a fully orchestrated soundtrack has been added to enhance the gaming experience. Take on the role of brave Sir Graham, in a quest to restore three magical treasures to the land of Daventry. Outwit a troll, duck a thief, defeat a leprechaun—get all the same fun of the old game including mind-bending puzzles. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## King's Quest V

Fans of the series will be happy to note the return of King Graham of Daventry, hero of two previous King's Quest games. In a sudden turn from his serene and untroubled life in the peaceful kingdom of Daventry, Graham must once again don his adventurer's cap to rescue his queen and his son and daughter, who have been kidnapped by the evil and powerful magician, Mordack. With the help of a kindly old wizard and a talking owl, Graham journeys to far lands on the most exciting and perilous quest of his life. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## King's Ransom

Once upon a time the great wizards of the past united to banish all the evil of the world. The evil forces were condemned to dwell forever within the Crystal Cage hidden in a remote mountain. As time has passed the forces of evil have grown until their escape now seems imminent. Small bands of vicious creatures have recently attacked many of the small villages of your country, forewarning of the mass destruction to come. You must locate the hidden residence of the imprisoned evil forces and see that they remain captive, or all will be lost forever. \$59.95

ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175

## King's Quest II: Romancing the Throne

Join King Graham on a search for three magic keys to an enchanted land. Fly on a magic carpet, meet King Neptune and Dracula, and rescue the woman of King Graham's dreams. \$49.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## King's Quest III: To Heir Is Human

Help Gwydion break free of an evil wizard. Meet merry sailors, Medusa, and the Abominable

Snowman. New self-mapped system keeps track of where you've been. \$49.95  
Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## King's Quest IV: The Perils of Rosella

King's Quest IV will be the first computer game to exploit the new higher graphics resolution of today's machines. A virtual army of artists, musicians, and programmers have combined their talents to make King's Quest IV a truly incredible experience. Requires 1 MB. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Knights of Legend

Interact with hundreds of colorful residents in Ashtalarea. Undertake 24 different quests and face a wide variety of terrifying foes. Design the weapons and spells that you will use to defeat your challengers. The first fantasy role-playing game to offer a modular design. Over 300 bit-mapped pictures, including 100 character portraits, 90 towns, hamlets and shop illustrations, and 32 monster illustrations. Create up to six characters and customize weapons and armor, a possible 729 combinations. \$49.95

Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490

## Knights of the Crystallion

The Knights of the Crystallion takes players to Orodrid, a city hollowed out from the skeletal remains of a gargantuan beast in whose massive skull waits the Crystallion, a mystical, crystal horse of uncommon beauty, strength and intelligence. Players who excel at five separate quests are given the means to hatch the Crystallion from its crystal egg, harness its powers, and join the ranks of The Knights of the Crystallion, whose honor it is to lead the great city. Each of the five quests is designed to help the player become more in tune with the culture of Orodrid, a society rich in music, art, poetry, politics, and religion. \$59.95

U.S. Gold, Distributed by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (415) 513-8929

## Knights of the Sky

A simulation of aerial combat and gallantry in World War I. You are a hunter stalking Germany's most celebrated pilots, including the infamous Baron Manfred von Richthofen. Using news and intelligence reports as well as your own intuition, you track down the 16 men whose successes diminish your own. In the gallant tradition of the ancient knights, you challenge each to determine who is truly World War I's Ace of Aces. \$59.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440

## Koshan Conspiracy

The Confederation of Galaxies has contacted the Bureau of Astral Troubleshooters (B.A.T.) because the unscrupulous Koshan holds an almost complete monopoly of the precious material Echitonone 21. Sylvia Hadford, a B.A.T. agent, falls victim to a murder attempt while trying to infiltrate the Koshan. The B.A.T. sends a new agent: Jehan Menasis, in this case, you. Available late September 1992. \$49.95

UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749

## LINKS

The ultimate golf program. LINKS has been reprogrammed, not just ported, to take advantage of the many features provided by the Amiga. HAM mode graphics and 4096 color modes provide the most realistic experience possible. Incredibly accurate renderings of championship courses, including Torrey Pines in San Diego, set LINKS apart from other golf games. Requires hard disk and 1MB memory.

Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837; (800) 800-4880

## Larry 5: Passionate Patti Does a Little Undercover Work

In his latest episode, Larry awakens to find himself the Chief VCR Rewinder for America's Sexiest Home Videos, a mob-controlled TV program.

Chosen by his boss to find the show's hostess, Larry embarks on a cross country quest to audition the three sexiest women in America. Meanwhile, Patti goes undercover for the FBI to expose corruption in the entertainment industry. Not until the end of the game do our dynamic duo come together, exposing the sleazy underside of the underworld. Help-you-along function assists new gamers through the introductory rooms. Fast forward icon included. Soundtrack scored by Craig Safan. Ships with seven 3.5-inch low density disks. Requires 1MB, Workbench 1.2 or later, and two floppy disk drives or a hard drive. Supports standard Amiga four-voice sound. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Lavandiss Role-Playing Game System

Package comes with module generator that allows you to create the play world as you wish. Allows placement of spells, monsters, treasures, good and bad guys, more. System also includes two pre-made modules. In the first you play a sorcerer's apprentice who must rescue his master's soul from a dark lord. Game play takes place from two viewpoints: a hex-grid map where you'll find allies and enemies, and from a 3-D view of the terrain and dungeons you explore. A500, 1MB. \$39.95

Cottage Software, #3-3820 Regina Ave., Regina, Saskatchewan S4S 0H7, Canada

## Leader Board

Golf game simulation with four irons and a driving range for practice. \$44.99

Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837; (800) 800-4880

## Leander

In Leander, you are the handsome hero and savior of princesses. Travel across three danger-fraught worlds, fighting powerful enemies, and finding and using spells, potions, and weapons to your advantage to save Princess Lucanna. \$49.99

Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553

## Leatherneck

Storm the beach to rescue your buddies held captive behind enemy lines. Combat arcade game, One to four players. \$19.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946

## Legends of Valour

Fantasy becomes reality in Legends of Valour, a single-character graphic adventure from industry veteran Strategic Simulations, Inc. Set in the mythical city of Mittedorf, Valour vanquishes its opposition with the smoothest scrolling three-dimensional graphics ever seen in a fantasy role playing game. Isolated inside the fortified medieval town, players create their own character by choosing their appearance, occupation, and lifestyle. Personality traits such as strength, memory, manipulation, health, and appeal vary with the character's race. After character generation, the player experiences over 45 exciting quests, each with its own mysteries, plot, and potential outcomes. The non-linear gameplay enables the player to explore the 28 square miles of town in any direction, including numerous shops, taverns, hostels, temples, and guilds. \$59.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Leisure Suit Larry II: Looking for Love in Several Wrong Places

Jump on board with the hilarious Larry Laffer as he makes a play for the girl of his dreams. Adult humor. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Leisure Suit Larry III: Passionate Patti in Pursuit of the Pulsating Pectorals

In the third Larry game, Larry's pursuing Passionate Patti, but his luck with women is running as usual. This is the first Sierra adventure ever to allow players to switch roles in mid-game. From Larry,

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

looking for his self-esteem, to the lovely Passionate Patti, who's on a quest for the man that got away. Requires 1MB memory. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Leisure Suit Larry in the Land of the Lounge Lizards—Updated

Oh no! He's back in a reillustrated, reanimated version. Vivid hand-painted backgrounds and life-like animation. Explore the city of Lost Wages using Sierra's new point-and-click interface. Fully orchestrated stereo soundtrack and 160 newly sampled sounds (including some only Larry could or would make). Hundreds of new text messages. Depth and distinction added to all original characters. Four 3.5-inch disks, hard disk installable. Supports Roland MT-32 and Amiga 4-voice sound. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Lemmings

Lemmings establishes a brand new category of game for the Amiga. You've never seen anything like it! Hordes of tiny characters that you have to guide through many levels of obstacles and adventures building bridges, digging tunnels, climbing mountains, parachuting to safety. Get them on their way through each level as quickly as you can, or they start to innundate you and happily proceed to their own oblivion. Each level requires you to construct increasingly complex routes to save as many Lemmings as you can. Lemmings features tiny, incredibly-detailed and expressively-animated characters (up to 100 Lemmings on the screen at once), one-player or split screen two-player action, 120 mind-blowing increasingly difficult playing levels, and some of the most entertaining game playing music you'll ever hear. This one is a classic! See CDTV section also. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Les Manley In: Search for the King

This new 3-D Animated Graphic Adventure introduces players to 33-year-old Les Manley, a meager but well-meaning video technician who stands to improve his status, his bank account and his love life if he is the first to find The King, the world's greatest and most elusive entertainer. Les is a lowly employee of WILL, the lowest rated television network in New York. In order to raise it's rating, WILL is sponsoring a contest whereby it will award \$1 million to anyone who can find The King, wherever he may be. Whoever can discover the location of this international star (he has a fan following in the multi-millions) will be rewarded with a fortune and for Les, adoration from Stella. \$59.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Light Corridor

A futuristic 3-D puzzle game based on controlling and moving objects through space and time. Travel at the speed of light and ensure the safe passage of chosen objects through the tunnels of time. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Loom

Loom is set in the Age of Great Guilds, a mythical time when Shepherds, Blacksmiths, and Glassmakers ruled the world. Its hero is Bobbin, a young member of the mysterious Guild of Weavers, who finds himself playing the pivotal role in a mighty conflict between good and evil. Bobbin finds a distaff, the Weavers' magic wand, which is the key to Loom's unique interface. Divided into eight segments, each related to a musical note, the distaff both detects and weaves magical spells. For example, Bobbin encounters a flock of owls in a dark forest. The hooting of the owls is a musical sequence that triggers four notes on the distaff. When Bobbin repeats the four notes, he is able to see in the dark. \$59.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Loopz

The most addictive game ever! It's very simple; you get pieces of different sizes and shapes. Then you put them together to form Loopz. You can move the pieces around the playfield and rotate them. The more complex the loop, the more points you score. It's so simple, in fact, most people can easily finish their first session in about five or ten hours! *Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Lords of Time

A graphic adventure on a grand scale. Guide our time traveler on a quest to return to his own world and time. Superb graphics, 10,000 playable screens including caverns, mazes, forests, mountains, islands, and castles. Character can learn skills, choose from inventory of more than 50 items. Adventuring in its highest form. \$49.95  
*Hollyware Entertainment, 13464 Washington Blvd., Marina Del Rey, CA 90291; (310) 822-9200*

## Lost Patrol

Dateline: June 7, 1966. Following a peaceful stint of rest and recreation in Saigon, a chopper carrying six G.I. grunts and a Staff Sergeant crashes in the rugged central highlands of Vietnam. The seven soldiers face a nightmare trek across 57 miles of harsh terrain, infested with booby traps and enemy forces. With little food and less ammunition, their chances of reaching a safe haven are less than slim. So you have to ask yourself: Are you a survivor? As Sgt. Weaver, your mission is to lead the men to safety. You are in command. Kickstart 1.2,1.3. \$19.95  
*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## Lunar Rescue

Arcade action in an outer space adventure! All your wits and skills will be challenged in this race to rescue the crew of Apollo 19, stranded on the moon during a surveying mission. Digitized NASA footage provides realism. Cinematic cut-scenes create suspense. A space Database teaches you important facts about space and our solar system using animated graphics, sound effects, and huge scrolling lunar landscapes. \$39.99  
*Odyssey Software, P.O. Box 367, N. Eastham, MA 02651; (508) 240-2317*

## Lure of the Temptress

The peaceful land of Turnvale has been seized by the enchantress Selena—and so, it seems, have you. Enter the world of Virtual Theatre, an innovative new graphic adventure system where fantasy becomes reality, and characters take on a life of their own. You are Diemot, an unlikely hero caught up in a web of sorcery and intrigue. Match your wits against the cruel temptress and her monstrous creatures, the Skorl. Just who is this Selena, and what is she after? 1MB, mouse, AmigaDOS 1.2 or higher. \$49.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## M1 Tank Platoon

U.S. tank platoons have four M1's. Four soldiers operate each. That's four tanks, 16 men. And you control the whole shooting match. The fun of a four tank platoon in one great game. \$69.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## MEAN 18

GE simulation on three famous courses, plus one home course. Course Architect lets you design or modify an entire course. \$44.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## MEGA lo MANIA

Play one of four gods, battling for control of planets. Direct your people to multiply and populate and control island after island. Begin with cavemen and simple stick and stone weapons, then advance through the epochs, inventing more complex weapons, gaining technological and strategic advantages, and eventually engaging in the decisive battle for the world in the far future. Game also has rare and slightly campy humor that keeps

you laughing, even when you lose. Available July 1992.

*UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749*

## Magic MVP Johnson

Basketball the way the pros play. Arcade action brings the realism of the big time game home to you in this direct translation of the popular coin-op arcade game. Make the jump shot and of course Magic's fast break with a slam dunk finish. Dribble around your opponent to make the lay up that wins the game! Features arcade quality animated graphics and characters, full-court scrolling screen, two-on-two play, and full stats. \$49.99  
*Virgin Games, Inc., 18061 Flitch Ave., Irvine, CA 92714; (714) 833-8710*

## Magic Pockets

From Konami and Renegade. The Bitmap Kid has been gifted with bottomless pockets, but some of his favorite items, including his bike, have been lost. To retrieve them, he must travel through four levels while destroying highly intelligent enemies, such as frogs, slimes, rockers, and hiders. In each world, the Kid uses the elements to affect the world in different ways. For example, when the Kid throws clouds in the jungle, they burst, causing plants to grow, creating new platforms for him to hop onto. Available second quarter 1992. \$19.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## Mailman

Mailman is a game against the clock. Case your letters and deliver your route as fast as you can. You must overcome pushy supervisors, attacking dogs, talkative customers, and bad weather to make it back in time. For A500, Workbench 1.3. Available December 1992. \$29.95  
*Mahoney Software Products, 897 Charlotte Dr, Newport News, VA 23601-1068; (804) 591-9330*

## Major Motion

Race and battle against the dragsters, the Draconian League, in this fast-paced driving game. Watch out for helicopters and motorcycles. Joystick recommended. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Manhunter: New York

Two years after an invasion, you are forced to hunt down and report human activities to an evil alien takeover or choose to be a supporter of the human underground. Includes New York City map, split-screen viewing. \$49.99  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Manhunter: San Francisco

A plague of terrifying Orbs has overrun San Francisco, spreading horror, tyranny, and death. You are their pawn—a manhunter. Hunt your own kind for the alien masters in this thrilling and horrifying adventure game. Risk your life by turning against the Orbs to work for the cause to free humanity. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Maniac Mansion®

A hidden panel opens and out falls a tape cassette. This might be the clue that frees Sandy from Dr. Ed's lunatic lobotomy lab! There are 450 entertaining objects to discover in this madcap adventure through the 50 detailed rooms, zany adversaries, and off-beat humor of the Maniac Mansion.® No typing—just non-stop point and click fun with your rescue team of colorful characters. \$44.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Mean Streets

An interactive detective movie. It's the year 2033. Your name is Tex Murphy, private investigator in San Francisco. You've been hired by the beautiful daughter of a university professor to uncover the facts about her father's death. Interact with more than 27 characters which animate, respond to questions, bribes, and threats. \$49.95

Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837; (800) 800-4880

## Medieval Warriors

Art thou a mighty warrior or a base knave? Put thy military skills to the test with this challenging medieval battle strategy game. Each army is comprised of 12 animated warriors which move and fight upon thy command with bow, knife, axe, and sword. Thou may pit thy military skills against those of thy computer or, if it is thy preference, play against another human player, either on a single computer or over thy telephone with two computers equipped with modems. \$29.95

Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353

## MegaFortress

MegaFortress, a nearly invisible attacker, carries enough firepower to destroy the most heavily defended targets. Features modified B-52H Stratofortress aircraft with state-of-the-art sensory apparatus, weapons systems, radar, and 3-D terrain mapping. Choice of 31 missions and three theatres: Desert Storm, Eastern USSR, and USA Red Flag Training. You play several roles simultaneously as well as master resource management. 1MB, Kickstart 1.3 or higher. \$59.95

Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## MegaFortress: Operation Sledgehammer

For use with the MegaFortress game based on the best selling novel 'Flight of the Old Dog', this first mission disk exposes you to new territory, threats, and new targets in the Middle East. Along with confronting numerous threats from enemy fighters and SAM's, the player must master the art of resource management, knowing when for example, to rendezvous for inflight refueling. New weapons, 25 new missions, and over 1000 square miles of territory in Iran and Libya are included. Requires MegaFortress disk, 1MB, and Kickstart 1.3 or higher. \$39.95

Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525

## MegaTraveler by Paragon

A science fiction role-playing adventure. Explore unknown star systems, trade and piracy, governments, and political structures. Meet bizarre human and alien cultures and battle in fast-action combat with futuristic weaponry. The first adventure will focus in a sparsely settled area of the Imperium called the Spinward Marches. The Marches are fertile ground for powerful adventures, literally surrounded with cultures often characterized as other than friendly.

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440

## Merchant Colony

Set sail for the seven seas. Merchant Colony is based on the history of world economics—all in a fun-packed, high resolution video game that the whole family will enjoy. Use the world map to survey your empire, monitor the progress of your sailing fleet, and protect your ships from bands of roving pirates. Establish colonies, develop industries, and battle native uprisings while you import and export goods in your quest to trade your way to riches. By Impressions. Requires 640K RAM; EGA, 16-color VGA, or 256-color MCGA. Mouse highly recommended. \$29.95

Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353

## MiG-29 Fulcrum

Fly the Soviet Union's MiG-29 Fulcrum. Designed by Simis, a former British Aerospace flight simulator design team, MiG 29 provides real sounds and images to produce the thrills of combat. Gives an unprecedented high level of unique and accurate technical detail. Prove your skills in an array of progressively more complex missions in different locations. Four different viewing perspectives on the action. \$49.95

Domark, Dist. by Accolade, 5300 Stevens Creek

Blud, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929

## MicroLeague Baseball: The Manager's Challenge

What would the 1927 Yankees do against the 1986 Mets? How would Ted Williams do against a Nolan Ryan fastball? Find out with MicroLeague Baseball! Control one of the 26 all-time teams that come with the game, or create an all-star team of your own with the optional General Manager/Owner disk. Features include pop-up screens for easy mid-game access and substitutions, offensive and defensive options, stealing and base running ratings, fatigue and power factors, fielding average plus throwing range and arm strength. Also included is a stat compiler disk to keep track of your team's players throughout the season. Price:\$49.95. Optional General Manager/Owner disk:\$29.95. 86-91 Season Disks:\$19.95. Franchise History Disks: \$24.95. Stadium Disks (American, National, or Classics): \$24.95 \$49.95

MicroLeague Sports Association, 2201 Drummond Plaza, Newark, DE 19711-5711; (302) 368-9990

## Midwinter

You must protect the Midwinter Isle, the last habitable oasis on earth. Controlling up to 32 characters, you must defend an immense playing area of over 160,000 square miles. You can ski, hang glide, snow buggy, or travel by cable car across stunning glacial landscape, shooting, sniping, and sabotaging the intruders. Featuring a unique, 3-D fully light-sourced graphics system and unprecedented action sequences, Midwinter will keep you locked in the Ice Age for a long, long time. \$39.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440

## Might and Magic II: Gates to Another World

Embark on a glorious journey to save the world of Cron. Test your ingenuity with over 250 animated monsters. Ninety-six spells, more than 250 weapons and items, two new character-classes, hirelings, and 15 secondary skills will aid your cause. Detailed 3-D color windows, excellent graphics, and animated monsters add to the excitement. \$19.95

New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364; (800) 245-4525

## Might and Magic III: Isles of Terra

In the Might and Magic tradition, explore the incredible islands of Terra. Journey to the deepest cavern, discover the secrets hidden deep within dungeon walls, and wander beyond the beaten path across terrain ranging from deserts to swamplands. Battle against bloodthirsty monsters as you seek to fulfill the quests of Kings and ghostly Sorcerers. The tools you will use to reach your ultimate destiny are your mind, might, and magic. \$59.95

New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364; (800) 245-4525

## Mixed-Up Mother Goose

The enchanting Mixed-Up Mother Goose takes your child on a wonderful adventure in dreamland where they will help Mother Goose to find her mixed-up rhymes and restore them back to normal. Mother Goose comes with written and visual clues to help your child play the game. Easy-to-use joystick or keyboard controls make playing a snap. Helpful pull-down menus assist children throughout the adventure. Includes a free full-color map of Mother Goose Land. Up to 12 players can save their game, according to their name, to disk. Easy-to-use menus make it simple to play the game, save it, and select options such as a joystick control. Randomly located objects and characters allow your child to enjoy playing this adventure over and over again. \$29.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Moebius: The Orb of Harmony

Combines the features of animated martial arts

games with the challenges of fantasy role-playing adventures. \$39.95

Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490

## Monkey Island 2: LeChuck's Revenge

This sequel to the award-winning Secret of Monkey Island follows the continuing hilarious pirating adventures of Guybrush Threepwood. The game features scanned art and iMUSE™, Lucasfilm Games' new interactive music and sound effects system. NTSC/PAL. French, Spanish, German, and Italian versions. Requires 1MB, keyboard/mouse supported. \$59.95

Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927

## Monopoly

Play the best-selling board game of all time with friends, against the computer, or with a mixture of human and computer-controlled opponents. Enjoy the thrill and excitement of wheeling and dealing with the added enhancement of computer animation. Amass and lose great fortunes buying and selling railroads, utilities, and properties of all types. Collect rent and increase the value of your properties by building houses and hotels. Vie with crafty strategem for control of key properties such as Boardwalk and Park Place. \$39.99

Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710

## Moonbase

You are Commander of Project Moonbase, NASA's long range plan to colonize Earth's moon. From your multi-million dollar annual budget, you must establish a base, then manage its growth into a full fledged, independent colony. With savvy and luck, you may create a self-sufficient city on the moon, but not without handling the leadership problems in this political and physical environment. \$29.95

Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353

## Mouse Bowling

Bowling action game. Player uses the mouse to throw the ball. \$19.95

Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488; (203) 264-2583

## Mouse Quest

Help Marvin the Mouse as he tries to prove himself and win back his girlfriend Meryl. Fifty levels of fast arcade action with terrific graphics and sound. \$19.95

StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792; (407) 657-7553

## Move It! & Slide It!

Interactive puzzles which break a picture into pieces, muddle them up and let you put them back together. Slide It works like a sliding block puzzle. Move It! works by directly swapping pieces, making it easier for younger users and more effective for developing sequencing skills. Features on-disk interactive manual, simple point-and-click operation, difficulty levels from nine to 64 pieces, add your own pictures, and create fixed grid pictures. \$19.99 \$30.00

Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168

## Murder on the Atlantic

You've just set sail for a relaxing journey when a sudden murder calls on you to investigate 40 suspects, 600 shipboard rooms, and search for 22 mystery-solving clues. \$39.95

Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (800) 468-7226

## Murder!

For people who love a good, vintage murder mystery, especially on dark and stormy nights, the game of Murder! provides nearly three million different murder cases for computer sleuths to solve. Search the house, interrogate suspects, investigate clues, and reap the rewards of pinning the crime on the murderer. Act too hastily accusing the wrong suspect, and your days as a detective are over. Players have just two hours to solve the crime

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Entertainment

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

before the murderer escapes the house. The game includes a murder casebook containing summaries of a dozen of the most notorious cases in the history of murder. \$44.95  
*U.S. Gold, Distributed by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (415) 513-8929*

## Murders in Space

Everything was going as planned on orbital space station Pegasus. The eight-member crew followed its detailed experiments on the sophisticated scientific equipment to the constant background drone of the floating station. Then...the first victim was discovered, turning the adventure into a nightmare. In this highly developed space simulation, you'll discover life on board an orbital space station as you carry out your investigation into the mysterious victims. You'll need to fly the space shuttle, conduct complex medical experiments, and explore the world outside the station—all in a zero gravity environment. Can you master these disciplines and solve the murders in space? \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Muscle Cars

All-American Car Disk for The Duel. The five cars are: 1963 Corvette Sting Ray Split Window Coupe, 1968 Shelby GT500 Mustang, 1967 Pontiac GTO, 1967 Camaro 427, and a 1969 Dodge Charger Daytona. \$21.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Mystical

As a novice magician you clumsily cause the disappearance of your master's phials and scrolls. To prove your worth you must enter into parallel worlds to recover the vanished instruments. You travel through magical kingdoms coming face to face with unscrupulous gods and evil druids who try to prevent you from achieving your goal. \$49.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## NFL DataDisk

Data disk contains player readings for all 28 NFL teams allows you to simulate games between NFL teams on GRIDIRON! \$19.95  
*Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300*

## NY Warriors

The World Trade Center has been taken by terrorists! As the commander of an elite strike force, you are the only one who can keep them from blowing it up! 1MB version: \$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710*

## NapGap

Napoleon's Game Assist Program is a wargame calculator for miniature wargames of the Napoleonic era. Based on standard rules and modified by several years of playtesting. It can calculate weather, firearms, rallying, melees, and more. NTSC/PAL. \$49.95

*HC Software Pty Ltd, PO Box 782, Prospect East, S.A., Australia 5082; (011) 618-262-4461*

## Napoleon The Campaigns 1805—1914

After Napoleon declared himself emperor, he was faced by a coalition of powers bent to destroy him and restore the Bourbon monarchy. You can take control of either Napoleon's Grande Armee or the combined might of the Austrian, Russian, and Prussian Coalition forces. Areas of contest are from Paris to east of Warsaw, from the North Sea to Italy. Four campaigns, option allowing you to resolve battles using miniature figures, more. Enjoy! 1MB. \$29.95

*R.A.W. Entertainment, 957 NASA Road One, Ste. 146, Houston, TX 77058; (713) 286-2386*

## Netherworld

Mystical space journey/action arcade. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Neuromancer

Science fiction role-playing game in which the player must find out why all the computer hackers in Chiba City have disappeared. Players must use computer programs to break into databases and get information. \$44.95  
*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

## Night Dawn

Arcade/strategic game. Ten levels that are very challenging. Excellent sound effects and superb graphics. \$29.95

*Innerprise Software, Inc., 1818 Potospring Road #30, Timonium, MD 21093; (410) 560-2434*

## Night Shift

Night Shift is an arcade-style computer simulation of a whimsical toy factory. To keep up with increasing demand for its Star Wars and Indiana Jones toys, toy factory Industrial Might & Logic hires a night shift worker who must contend with ever-increasing quotas. In the process, the worker has to cope with equipment failures, lawyers, lemmings, and a surly boss to boot. Includes 30 'shifts,' with gradually increasing challenge. Choose to play as either Fred or Fiona Fixit. Suitable for ages 10 and up. \$39.95

*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Nightbreed

Nightbreed vividly recreates the attempts of Aaron Boone to escape from the brutal ignorance of his world. Boone, fabled hero of the night, has been unjustly accused of murder. The police are in hot pursuit. He searches for and finds Midian, a subterranean haven inhabited by a supernatural race—the Breed. But once in Midian, Boone's past catches up with him. The police and a savage villain called the Mask infiltrate his refuge, and it's up to Boone to save the Nightbreed or be responsible for their destruction. A thoroughly twisted and intriguing story filled with monsters, evil, and challenging adventure. Kickstart 1.2, 1.3. \$19.95  
*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## Ninja Garden II

In this literal translation of the Nintendo game (enhanced with the power of the Amiga), Ryu Hayabusa must use his Ninja fighting techniques along with ancient magical arts such as the 'wind-mill throwing stars' and 'fire dragon balls' to rescue Irene Lew and avenge the death of his father. Action takes place throughout seven acts and over 20 scenes of crisp graphics and clean audio. Animated sequences tie the plot together. Arcade style gameplay keeps the story moving as Ryu must face many guardians en route to the final showdown with Ashtar. Requires 1MB. \$49.95  
*GameTek, 2999 N.E. 191 Street, N. Miami Beach, FL 33180; (305) 935-3995*

## No Greater Glory-The American Civil War

The year is 1861 and you are President Abraham Lincoln—or Jefferson Davis. The immensity of this war dawns on you—the bloody battles and the conflicts over such issues as slavery, taxes, inflation and enlistment of Negroes. No Greater Glory covers these and other major military, political, diplomatic, and economic aspects of the Civil War. Move your armies across the map and order your generals to take them into battle. Enter your decisions quickly and easily with the point-and-click mouse interface. Superb graphics present you with immediate feedback of your actions. Every game can end differently. 1MB. \$69.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## Nobunaga's Ambition

This is a simulation game based on Japan of the 16th Century. A group of feudal lords called Daimyo ruled Japan in the 16th century. Each has a single wish: to become Shogun and rule the entire nation. Nobunaga's Ambition is a military, economic, and diplomatic simulation for one to eight players. As Nobunaga, you start with one fief and try to take the entire nation. A game of both strategy and tactics, success takes careful planning and

opportunism. \$59.95

*Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Baysshore Highway, Burlingame, CA 94010; (415) 348-0200*

## Nova 9

Continues the adventure saga of Stellar 7. Gir Draxon returns, drawing the player into battle on the nine unexplored planets of the Nova 9 system. Piloting the new Raven II, the player races against time as Draxon's forces search for the Raven's hidden base. Quick thinking and a quick trigger finger are needed to survive as the player navigates mazes of energy, drops bombs, battles prehistoric beasts, and takes on Draxon's forces on nine worlds of increasing danger and difficulty. Complex 3-D worlds, explosive special effects. Supports analog joysticks, has save game feature. \$34.95

*Dynamix, division of Sierra On-Line, 99 W.10th, Ste. 337, Eugene, OR 97401; (503) 343-0772*

## Nuclear War

A comical game of strategy and tactics. As a world leader, you must compete against four computer controlled opponents for global supremacy. Experience propaganda blitzes, nuclear strikes, and some interesting weather anomalies. \$19.95  
*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364; (800) 245-4525*

## Obitus

You're in the depths of your own worst nightmare...but this time there is no waking up. Lost and alone in a dangerous and alien medieval world, you must discover where you are, how you got there, and how to get out! Silky smooth scrolling through forest labyrinth mazes, first person perspective confrontations and dialogue with a cast of characters who may help or hinder your progress, parallax scrolling action scenes, and diabolical surprises in a brand new genre of Psynosis game. Roger Dean limited T-shirt in each box. \$59.99

*Psynosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Official Guide to Sid Meier's Railroad Tycoon

Do you know you can embezzle money in Railroad Tycoon at no risk to yourself? Do you know which tycoons are most likely to take over your railroad? The only source of insider information available for the game—direct from the designers of the game. This book contains essential gaming information not found in the manual. Get the answers to puzzling economic forces, learn to defeat each of the Tycoons, build the Transcontinental Railroad and the Orient Express, manipulate the stock market to your advantage, discover the best areas to build on each map, and learn the best way to survey your line. These are just a few of the things you'll be able to do with The Official Guide. \$12.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408; (919) 275-9809*

## Offshore Warrior

A sport has evolved where powerful boats battle against the elements and their opponents. The warriors fight for victory against each other while trying to survive the dangers of rocks and waves. Throttles at the limit, the warriors struggle to control their boats by jumping waves, avoiding rocks, and firing at their opponents. Can you survive the pressure of a do-or-die situation? Start your engine. \$39.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Oh No! More Lemmings

Just when you thought you were finally safe, those green-haired numbskulls have blissfully blundered off toward new perils. You'll have to save them again! Oh No! More Lemmings (Stand Alone version) contains 100 brand new adventures for the mega-hit game Lemmings. Oh No! More Lemmings (Add-on version) contains the same new adventures, but requires the original Lemmings program, and is available for a reduced price. Both versions feature mind-challenging game play and amusing graphics in the Lemmings tradition. \$49.99 (stand-

alone version), \$34.99 (add-on version) \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Omega

Strive to design the future's ultimate military sybertank in Omega. You have been placed as an engineer for the Organization of Strategic Intelligence and your mission is to integrate chassis components and create artificial intelligence in an attempt to build the world's supreme sybertank. Choose from 10 chassis types, ten drive systems, eight weapons types, nine special items, and ten scanner types. Then test your design on a simulated field of combat. \$49.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Omni-Play™ Basketball

Imagine owning, coaching, and managing your own basketball team and playing some fast action hoops too! Includes SBA League and End View Game Modules which allow you to build your own team. Determine play-off structures, season lengths and more. Recruit new players or improve the current roster at training camp. You can even trade players to other teams. Players not only age year after year, but can suffer injuries. Down on the hardwood, you can play too. Pass, shoot, slam dunk, double-team, break backboards, and much more. \$24.95

*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207*

## Omni-Play™ Horse Racing

Omni-Play™ Horse Racing is a two-disk set which gives up to four players the chance to test their handicapping skills against each other and up to 19 computer opponents at the same time. Go for the quick kill by betting on long shots, Triples, Exactas, and Quinellas, or play more conservatively by betting on the favorites to Win, Place, or Show. Whatever your strategy, there are plenty of stats available, including the past 10 race results of all 128 horses at each track, the Morning-line Odds, payoff displays, and post position histories. Jockeys have their own personalities and mood swings. Track conditions can be dirt, grass, or mud, and you can even buy tips from your competitors! Includes digitized sounds. \$24.95

*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207*

## One to One Match

A memory game for children ages 4 to 14. No reading is required to play this game and the program autoboots. This game talks! All pictures are named. Children develop their powers of concentration and expand their vocabulary by pairing up beautifully illustrated objects in one of seven categories. The categories begin with simple concepts and progress to the complex: from planets to the big bang, from triangles to tetrahedrons, from simple numerals to fractions, from notes on the treble clef to classical melodies. The child's vocabulary is expanded by learning the national flags, continents and oceans, date, time, and money. Added for both fun and enrichment are flowers, trees, leaves, sea life, breeds of dogs, cats, and horses. Five different ways to play the game (three with the computer as the partner) and three different card layouts (20, 30, or 42 cards) provide flexibility for the player. Runs on all Amigas 512K minimum. \$39.95

*Computer Sight, 4522 Santa Rita Rd., El Sobrante, CA 94803; (510) 222-2638*

## Operation Combat

Digitized sounds of gunfire, air support, and movement of your troops take you right into battle. Fight in the deserts of the Middle East or the jungles of Asia with the firepower equal to that of United States forces in Saudia Arabia. With six battlefields and five scenarios to choose from, Operation Combat challenges your wits and your courage. Remember, in war there can only be one victor! \$14.95

*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## Orge

Your army must contend with a huge cybernetic tank code-named Orge, which is armed with missiles, guns, and armor plating several feet thick. \$29.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Ork

Beamed down to the planet Ixion from the Legion Ship, Cisskel, aspiring Captain Ku-Kabul has to face the dangers and tests specifically placed on this planet in order to prove himself worthy of leadership. Failing any of the tests will end his career as a Legion-Command Officer...permanently! To give him a fighting chance, Ku-Kabul is fitted with twin laser cannons and refuelable jet boosters. Using brains and brawn, he must find, collect, and use objects to solve the many perplexing puzzles and defeat the hordes of deviously powerful enemies that infest this deadly arena. Powerful arcade special effects including full-screen three-layer parallax scrolling running arcade speed, larger than screen aliens, and a haunting musical score combine with furious gameplay to bring you an incomparable arcade-like gaming experience. \$49.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## Out Run by Sega

Take the ride of your life in the home-computer version of Sega's arcade megahit. This baby's sleek and smooth—the fastest thing on four wheels. Floor the gas pedal and let her ride past the beaches of southern France, California's Death Valley, cities, mountains, and vineyards. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Out of This World

Thrusts players into another dimension where survival depends on cunning, speed, and sharp senses. As scientist Lester Knight Chaykin, the player is hurtled through space and time by a nuclear experiment gone wrong. The player must dodge, outwit, and overcome a host of alien monsters and deadly earthquakes that plague the alien landscape that has now become home. Only a perfect blend of logic and skill will get the player past the deadly obstacles that lie in his path. The use of polygon graphics allows the game to generate real-time, rotoscoped animation in fluid cinematic zooms, pans, close-ups, and scaling. Bridging the gap between cinema and action/adventure games, this completely new style of storytelling allows players to run, jump, kick, roll, climb, and swing quickly and smoothly. It offers a complete atmosphere of sights and sounds with a continual audio mix of digitized sound effects and musical score. Out Of This World supports VGA graphics, most major sound boards, and can be keyboard or joystick controlled. \$59.95

*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

## Over The Net

It's your serve. Now you can play pro-circuit volleyball year 'round with Over The Net, the exciting new tournament beach volleyball game from Merit Software. This European-designed program lets you slam, dig, set, spike, and hit with arcade action so realistic you'll be able to feel the hot sand under your feet. Sound effects and excellent soundtracks bring an added dimension to the game on your computer screen. Action-packed Over The Net is designed to sharpen your competitive edge. One or two players can play from one to five sets in a single session. Choose from five exotic beach courts, from Timini to Miami to Ibiza—each designed to test a different level of your skill. So what are you waiting for? It's your serve. \$14.95

*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353*

## Overdrive

An arcade adventure game for all Amigas. Begin play with the choice of six pilots, six ships, and wide range of different modules and armaments—

900 different combinations in all. Game has four levels: Artificial Planet—liberate the colonists from pirates; Space—rescue cargo ship; Inside Asteroid—destroy pirate headquarters; Surprise. \$59.95  
*Infacto, 1456 Fallen Leaf Lane, Los Altos, CA 94024-5809; (415) 968-0813*

## Overlord

Imagine a universe that holds only a small group of planets. Each planet is a barren shell waiting to be given life. Imagine further that within this universe there exists the forces of good and evil. Having only a single Starbase to work from, you set out in ships of your own design, and use them to colonize the barren planets. You must also recruit, train, feed, and arm a galactic force to protect these colonies from your evil foe. Strategies are needed, taxes must be imposed, mining operations need to be set up, and farms need to be established. \$49.99

*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710*

## Oxyd

A terrible thing has happened to the world inside your computer. Over night, the life-supporting Oxyds have closed up. Without them, the world of bits and bytes is threatened. Go on a risky expedition into the 100-level, mysterious landscapes of Oxyd and open the Oxyds to save this wonderful world from destruction. Distributed as 'Dongleware'—anyone may copy and distribute the Oxyd disk containing the game, 100 levels, and 100 dual player levels. After that, you need the Oxyd book containing secret magic formulas to play. (See listing in book section) Disk: \$4.00 or download from major networks. The Oxyd Book: \$39.00.  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

## P.G.A. Championship Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Firestone South, Pinehurst #2, Oakland Hills, Oakmont, Southern Hills. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## P.G.A. Tour Courses I

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Doral Blue Monster, Torrey Pines South, TPC at Sawgrass, Cypress Point, and Indian Wells Bob Hope course. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## PGA Tour Golf

Enter the world of big-time golf. See TV-style graphics with aerial fly-bys of every hole, multiple shots of the ball in flight, announcers, and pro tips. Tee off against 60 top PGA TOUR pros. Compete in real tournaments like the Kemper Open and The PLAYERS Championship. Play the TPC's at Sawgrass, Avenel, and more. A 3-D putting grid, five types of swings, 12 ball lies, it even tracks your game with pro stats. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## PGA Tour Golf Tournament Course Disk

An add on program for PGA Tour Golf. Includes three new courses and tournaments: TPC at Eagle Trace, home of The Honda Classic; TPC of Scottsdale, home of The Phoenix Open; and TPC at Southwind, home of The Federal Express St. Jude Classic. Negotiate the same narrow doglegs, treacherous water hazards, and changing conditions the pros do. Use the overhead map to plan your approach, check the ball lie to decide on the most effective club, or use special shot options to escape the worst roughs and hazards. Once on the green, study the 3-D putting grid for an accurate, realistic read of the green. Stay on top of the leaderboard to make the early round cuts, then fight to finish in the money! \$24.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Paint Me a Story

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**Paint Me a Story** gives a child the ability to create his or her own story book in exciting colors, whether or not the child has any drawing ability. By adding Magic Wipes between pictures, by typing text and by adding music, the child can create a story as simple or as complex as his/her imagination will allow. \$24.95  
*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England; (011) 4475-368-6000*

## Pairs

A simple card game like Poker, with one difference—there is no three of a kind, straight, or full house. Pairs features over 40 HAM pictures and over 80 levels of play to succeed in winning the game. PAL only. For A500/1000/2000/3000/CDTV. AmigaDOS 2.0 compatible. \$14.95  
*Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia; 011-61-8-272-2302*

## Paladin

Animated fantasy-combat game for one player. The game features 10 character combat squads, multiple level combat; magic; assorted weaponry. The Paladin Package also includes a quest builder so you can build your own quests. \$39.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423; (203) 678-7679*

## Paladin 2

The thrilling sequel to Omnitrend's Paladin. Lead a party of 10 through several quests, and fight against all kinds of creatures and villains in this strategic role-playing game. Several scenarios—also includes scenario builder program. Mouse-based interface, stirring music. 1MB, one disk drive, system version 1.2 or higher. International support. \$59.95  
*Impressions Software, 7 Melrose Dr, Farmington, CT 06032; (203) 676-9002*

## Panzer Battles

This second release in the Battlefront series follows on from the Halls of Montezuma. The Russian Front saw the greatest concentration of armored forces the world had ever known. Panzer Battles recreates six battles: Encirclement at Minsk, Gates of Moscow, Disaster at Kharkov, Prokhorovka, Kanev, and Korsun. On the German side are elite armored formations, including SS and Panzer divisions. The Russian side includes the Siberian Shock Troops and the Guards Tank Armies. WarPlan design kit allows editing of existing scenarios or creation of new battles. WarPaint allows users to change terrain and create realistic maps. Requires 1MB and Workbench 1.2 or 1.3. Hard disk compatible. Two floppy disk drives recommended. Not copy protected.

*Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514; (904) 494-9373*

## Paperboy

Tackle the action-packed job of a paperboy in this arcade. Deliver papers to subscribers (and smash the windows of non-subscribers) as you avoid cars, workmen, cats, lawnmowers, and burglars. Then, head out to the Paperboy Training Grounds for bonus points. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Persian Gulf Inferno

Arcade action and role playing. Superb graphics and digitized sound. Excellent story—you must save hostages and disconnect a nuclear bomb on an oil rig. \$39.95  
*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434*

## Pick'N'Pile

A multitude of colored balls falling from the sky and it's your job to make them disappear. To do so, you must swap shapes, create columns, and empty the screen before time runs out. Once a screen is completely void of balls, you move on to the next level. As the pace picks up and the difficulty increases, players must rely on their reflexes and agility to move onward. Many obstacles fall in your path. Watch out for the Death-heads which make

time run out twice as fast, Flames that burn potential points, and Flower Pots which break shapes and prevent column formations. \$39.95  
*UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749*

## Pipe Dream

Pit your pipefitting prowess against a surging sea of sewage. Your objective is to build the longest possible continuous pipeline, racing against a stream of chemical fluid called Flooz. Piece together the pipeline from various shapes of pipe, which appear in a random order. There are 36 increasingly challenging levels. Play solo, against a friend or team up in a joint battle against the computer. But if you slow down for a second, it's Sludge City! \$39.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## Pirates

A 17th-century Caribbean adventure. You're a privateer captain in the thick of the action on the Spanish Main. Challenge your reflexes with simulated sailing, sea and land battles, and swordfights. Experience romance and intrigue from more than 50 foreign ports.  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Pitfighter

You can be one of three players: TY—the Kickboxer, KATO—the 3rd degree Karate Black Belt, or BUZZ—ex pro wrestler. In order to become the new Pitfighting World Champion, you must fight to the death one of eight brutes: The Executioner, Southside Jim, Angel, Mad Miles, CC Rider, Heavy Metal, Chainman Eddie, and The Ultimate Warrior. You need strength, skill, cunning, and the ability to smash your opponent with anything you can grab from the pit before he smashes you! \$39.95  
*Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929*

## Plan 9 From Outer Space

From Konami and Grenlin Graphics. An alien race has failed eight times to annihilate the human race, but has now discovered the ultimate Plan 9. This is the storyline from a 1957 film. Players must collect all the missing reels from the movie from more than 90 global locations. They must then splice the film together. Features digitized movie footage starring Bela Lugosi and Tor Johnson, as well as original cast members as characters to encounter throughout the game. Available spring 1992. \$39.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## Poker Solitaire

Play 12 hands of stud poker simultaneously. Strategy game allows two players or one against the clock. Multiple skill levels challenge even the expert.  
*Ethos Development, 3617 Lawson Blvd., Delray Beach, FL 33445; (407) 496-0843*

## Police Quest

Mature, authentic law enforcement simulation designed by a California Highway Patrol veteran. Manual describes police procedure; crime computer gives court information on suspects. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Police Quest II

The Vengeance! Police Quest is one of the most original adventure series in computer history, with authentic police regulations to follow and real-life situations to encounter. Police Quest II lets you experience life as a homicide detective, as you track down the escaped convict—The Death Angel! Now available in Japanese. Requires 1 MB. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Police Quest III

Designer Jim Walls continues his best-selling Police Quest series with Police Quest 3: The Kindred. As homicide detective Sonny Bonds, follow a trail

of insanity, brutality, and bizarre ritual killings. Musical soundtrack by Grammy Award winner Jan Hammer of Miami Vice fame. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Pool of Radiance

All monsters, items, and spells are from the famous AD&D Monster Manuals, Dungeon Masters Guide, and Players Handbook. Roll up your characters from four Classes, six Races and nine Alignments in classic AD&D fashion. Personalize your heroes' combat figures with individual weapons, armor, and colors. \$19.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## Pools of Darkness

Pools of Darkness takes you back to the Moonsea area for the final battle against the ultimate enemy. Prepare yourself for the biggest adventure yet! Pools of Darkness propels you into alternate dimensions on an enormous quest. And, it boasts a fully evolved version of the award-winning game system used throughout the series. Transfer your characters from Secret of the Silver Blades with levels, money, and items intact, or create new characters. Either way, you're in for some high-level action. Battle monsters never before encountered, cast powerful new spells, and achieve character levels well above the 25th level. State-of-the-art graphics and crisp digitized sound. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## Populous

Earthquakes are serious fun. Deities are the all-powerful rulers of the worlds, but two deities in one world is one too many. You give them good land. You tell them when to farm and when to fight. You make them content beyond their wildest dreams. But then they become raging arsonists. What's a deity to do? \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Populous II: Trials of the Olympian Gods

By Bullfrog Productions. Populous II includes a cast of Greek deities. You approach the great god Zeus with aspirations of immortality. Your request is accepted only if you first prove your abilities by defeating 32 of the most powerful deities on the ancient Greek battlefields. With over 30 new animated powers, you will be twice the deity you were in the original Populous. Forces of nature can now be unleashed simultaneously. You can establish your deity's strengths, personality, and appearance. Different personality traits will alter the way the other deities react to your character. You're also responsible for the happiness of your populous if you want them to stay loyal. Planting trees, building roads, and making fertile land will all lead to increased manna. And face it, that's all you really want—the power to destroy! \$59.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Populous World Editor

By Bullfrog. Gives you the divine power to alter the people, places, and terrain of Populous. Lets you easily edit sprites and landblocks. Also set parameters to define your population. Two new worlds. New 500-world conquest game. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Populous: The Promised Lands

Populous: The Promised Lands is an accessory disk that adds five new landscapes to the hit game Populous™. Adding The Wild West, Révolution Française, Blockland, Sillyland, or The Bit Plains to Populous™ will virtually give you a whole new game. You'll need to invent new strategies to conquer 500 more worlds, or you can use the lands to build your own worlds to conquer. \$29.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Ports of Call

Exciting game of shipping strategy. The player assumes the role of a shipowner and captain. Both strategy and arcade action. The object of the game is to deliver the ship's cargo to the determined port and achieve maximum profitability. Available in English, French, German, NTSC, and PAL. Runs on Amiga 500, 1000, 2000, 2500, Workbench 1.3. Australian users see Australian address in Vendor Information. \$34.95

*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

## Power Pinball Expansion Disk 1

More and better pinball machines for Power Pinball! This disk is packed with eight fun, new, and exciting machines. Includes 36 new sound effects which can be added to your own machines. Several machines created by Amiga artist Joan Ashdown; all feature new sound effects and take advantage of version 1.1 capabilities. \$15.95

*KarmaSoft, P.O. Box 1034, Golden, CO 80402-1034; (303) 490-2939*

## Power Pinball Version 1.1

New version of Power Pinball sports embossed look for all editing functions and many other new features. Pinball Wizards never had it so good! Power Pinball is a truly realistic simulation of a pinball machine. You can play one of several included machines or design your own! Import IFF sounds and graphics from your favorite paint program. With Power Pinball you can take the wizardry to a whole new level! AmigaDOS 2.0 compatible. \$39.95

*KarmaSoft, P.O. Box 1034, Golden, CO 80402-1034; (303) 490-2939*

## PowerMonger

PowerMonger takes you to a living world where each individual has a home, an occupation, and a level of intelligence—all must be accounted for in your strategy. PowerMonger casts you as the leader of a displaced tribe newly arrived in an uncharted territory. There are 200 territories to conquer before the world is yours. To unite the land under your rule, you must win the allegiance of the people by force, negotiation, or outright bribery. \$49.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## PowerMonger Data Disk: WWI Edition

Enter the world of 1914. The nations of Europe are locked in a savage war. Mechanized terror weapons have replaced the sword. Leaders now pursue power with rifles, tanks, and airplanes. Command an army through a series of battles and try to overcome the trials of WWI combat. Factories, medical stations, and dedicated soldiers are at your disposal. Show mercy to defeated enemies and win their allegiance. Explore and conquer over 150 European territories. Requires PowerMonger. \$29.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Powerstyx

Battle your way through chomping skulls, perilous scissiors, deadly crosses, and heart-pounding time restrictions in this action-packed game. You as the artist must conquer these obstacles before revealing the final masterpiece, hidden behind each treacherous screen. \$14.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Predator 2

Take on the role of veteran cop Mike Harrigan. Shoot it out with machine gun-toting drug lords and the Predator, a brutal alien who finds sport in the killing of human prey. Collect powerful weapons to save your fellow officers, then use streetwise ingenuity and devise a way to destroy the creature's invisibility mechanism. Each level is inspired by the movie with plenty of action to please arcade enthusiasts. Digitized movie scenes recapture the Predator just as he appears on the big screen. \$9.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## Prehistorik

Eat and beat your way through 150 scenes of awesome, nourishing fun and relive the Prehistorik epic in this incredible platform game. Armed with your Diner Club Anticus, proven to be the ancestor of the baseball bat, you start in pursuit of the Hilarious Maxidocus and take on armies of hairy spiders. Explore the virgin icefields of Antarctica, lush tropic jungles, and the dark and mysterious caverns of the shady continent. Don't worry about beatin' and meatin', it's for the good of the T-bone tribe. The hunt for lunch is on; come and get it! \$49.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Prince of Persia

You are a young adventurer from a far-off land, and the Sultan's beautiful daughter has fallen in love with you. But the Grand Vizier Jaffar has other plans. In the Sultan's absence, he has thrown you in prison, and given her an hour to choose: Marry him or die. You'll need acrobatic agility, superb swordsmanship, and brilliant puzzle-solving ability to save her. Twelve levels with more than 250 increasingly difficult screens. \$39.95

*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121; (800) 521-6263*

## Pro Tennis Tour

In Pro Tennis Tour, you are a professional tennis player, ranked 64th in the world. Your objective is to improve your ranking by participating in major championships such as the Australian Open, French Open at Roland Garros, U.S. Open, and Wimbledon. Each championship event is played on its unique surface, whether its grass, clay, or cement. Pro Tennis Tour has six training programs where you can play either an opponent or against the computer. The on-screen scoring display, realistic sound effects, and two-player option give Pro Tennis Tour the look and feel of an actual tennis game. Improve your service, master your tennis strokes, and enjoy the 3-D instant replay feature of your best shots. \$39.95

*UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749*

## Pro Tennis Tour II

Pro Tennis Tour II offers more options than the average player encounters in the real world. This simulation game includes training programs where you can choose from a variety of opponents—male and female—various court surfaces, personal skill levels including strengths and weaknesses, and singles and doubles, or even 'dirty mode' triples. Practice well, win the tournaments, and you can qualify for the Masters on the Pro Tennis Tour. Your objective is to improve your ranking by participating in major championships, such as the Australian, French, and U.S. Opens, Wimbledon, and the Davis Cup. Each championship event played on its unique surface: grass, clay, or cement. On-screen scoring display, realistic sound effects, and two-player option give Pro Tennis Tour II the look and feel of an actual tennis game. \$49.95

*UBI Soft, 1505 Bridgeway, Ste 105, Sausalito, CA 94965; (415) 332-8749*

## Professional Football Simulation

You choose the game strategy and call the play. By utilizing true artificial intelligence routines, the computer uses the probability of the play's success against the defensive formation to determine the outcome. Allows modem play and keeping of individual stats of leagues, and comes with standard playbook containing all the popular offensive and defensive plays. \$44.95

*MicroSearch, Inc., 9000 US-59 South, Ste 330, Houston, TX 77074; (713) 988-2819*

## Project-X

It's the same old story; someone else's mistake has become your problem. The mad fools—the scientists did it for fun, they must have. No one wanted massive, mutated, insect-like droids, the ugly by-products of early biomechanical experiments—not me and certainly not you. Dumped on the planet Ryxx and left to stagnate and fade out, the sickening mutations not only survived but thrived. Their

intelligence circuits warped, they are now seeking revenge for their tortured past. Fears of an all-out attack have forced the Federation into action! Your mission is simple. Fly to Ryxx, into the heart of the station the evil beings have made their lair, and blow the whole thing sky high! Game takes player through six sections. Two skill levels, choice of craft, choice of music or soundfx, many special effects and sound/speech effects, password system for players getting far into the game, much more. *Team 17 Software, Prospect House, Borough Road, Wakefield, W. Yorkshire WF1 3AB, England; 011-44-924-291-867*

## Prospector In The Mazes Of Xor by Logotron

Limited action-packed adventure game with a non-violent theme. Two prospectors, Herb and Pip, are trapped in the labyrinths known as the Mazes of Xor. In order to escape, they must collect the 845 blue balloons, which are hidden in the mazes, before Xor captures them. There are 30 different mazes available, plus an extra 15 that you can create using the maze constructor for a grand total of 45 different mazes and endless hours of enjoyment. \$39.95

*Eurosoft International Inc., 860 Merrimon Ave, #185, Asheville, NC 28804-2405*

## Pushover

G.I. Ant, a super-strong, super-smart soldier ant, is extremely clever and highly trained in tactical maneuvers. His latest mission is to gain access to the crazy world of Captain Rat's Treasure Caves. Straightforward? Not! This cave is a tunnel entrance to Domino Domain, a miniworld comprising nine different continents. G.I. must negotiate many screens of mind-teasing problems. Each level has a door to the next; to open it, the 'Trigger' domino block must be felled by causing a chain-reaction with all of the other domino blocks at that level. Easy? Not! Kickstart 1.2, 1.3. \$49.95

*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## Qsolve 1.0

Cube game based on Rubik's cube. Test your skill to solve problems of increasing difficulty. Descend through a chain of challenges from easy to super hard. Disk includes a collection of interesting, pretty patterns. \$29.95

*Computer Creations, 259 Thornton Rd. North, Oshawa, Ontario, Canada L1J 6T2; (416) 576-2023*

## Quest for Glory II: Trial by Fire

As in the first game in the series, players construct their characters from the ground up. Players who have completed Quest for Glory I may bring their seasoned Heros to play in this second installment. Set among the mystical and exotic background of the Arabian Nights, Trial by Fire reaches new heights of humor and adventure. Requires 1MB memory. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## Quest for Glory: So You Want to be a Hero

Players will construct a character from the ground up, combining basic attributes of strength, agility, charisma, and intelligence into game characters. It's a combination of fantasy role-playing with the basic adventure game concept of going to a world and exploring it, finding things, and solving puzzles. *Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## R/C Aerocopter Flight Simulation System

R/C Aerocopter Flight Simulation System on your home computer puts you as close to real R/C flying as you can get. It is designed to stimulate the experience of real flight and with the feel of actual radio hardware, can put you at the controls of a number of different airplanes, helicopters, ducted-fan jets, and even a glider. Various flying conditions can be set up by selecting one of 22 different, pre-programmed aircraft utilizing seven different aircraft images. Each R/C Aerocopter Flight Simulation System includes a Futaba Conquest dual joystick transmitter box with interface cable, software on disk, and owners manual. NTSC and PAL. \$229.00

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Entertainment

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

**Ambrosia Microcomputer Products, Inc., Ste.**  
371, 98 W. 63rd St., Willowbrook, IL 60514;  
(708) 655-0610

**RVF Honda**  
Simulation of formula-like motorbike racing. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive,  
Hunt Valley, MD 21030; (410) 771-0440*

**Railroad Tycoon**  
In Sid Meier's Railroad Tycoon, feel the pride and excitement of creating an industrial empire in the Golden Age of Railroads. Explore and develop new markets in the U.S. and Europe. Stay up-to-date with locomotive technology. Compete against rail barons eager to crush you or brush you from their path. \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive,  
Hunt Valley, MD 21030; (410) 771-0440*

**Ramify**  
Thousands of years ago royalty and common men alike played games consisting of pits and using pebbles or jewels as playing pieces. Sometimes the games were played for high stakes, including rubies, sapphires, and slaves. Ramify is based on these Mancala games. We believe you will find it as addictive as the kings and maharajahs of old found it, and we have modernized it for your computer. In this version you are playing for megabytes of RAM chips. \$39.95  
*Expert Services, 5912 Centennial Circle,  
Florence, KY 41042; (606) 371-9690*

**Rampage**  
Smash and trash. Go ahead, get it out of your system, lose your temper, smash a skyscraper, trash a city, and have an office building for lunch. Go on a rampage. Includes one- or two- player options, choose any of three mischievous monsters to control, 147 different cities to trash. Super colorful graphics and arcade-style animation. \$39.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049;  
(310) 207-4500*

**Reach for the Stars**  
The conquest of the galaxy. Reach for the Stars is a four player game of interstellar colonization and conquest. Your task is to create and maintain an empire in space. Expanding your empire means colonizing other star systems, improving their industry and environment. Maintaining it will almost certainly involve adjustment with your neighbors. The Computer plays any side not played by humans. \$45.00  
*Strategic Studies Group, 8348 Monticello Drive,  
Pensacola, FL 32514; (904) 494-9373*

**Red Baron**  
From designer Damon Slye, Red Baron recreates the thrill, excitement, and danger of early flight in World War I. Detailed in every aspect of combat intelligence characteristics of actual Aces and structural and flight characteristics of original airplane models. Historically accurate, it recreates an atmosphere more like an actual event than a game. Players can fly for German or Allied forces, engage in close range dogfights, blast observation balloons, take on zeppelins, and go head-to-head with more than 20 famous Aces! Fly single missions or campaign play with more than 40 back-to-back missions. Includes glorious 240-page manual with color templates, maps, technical specs, historical backgrounds, pilot profiles, and aerial tactics. \$59.95  
*Dynamix, division of Sierra On-Line, 99 W. 10th,  
Ste. 337, Eugene, OR 97401; (503) 343-0772*

**Red Storm Rising**  
Focuses on the tactical operations of an American nuclear attack submarine after a crushing invasion of Western Europe by the Warsaw Pact. The player's mission as submarine commander is to locate and destroy Soviet submarines and surface vessels as they leave their base near the Arctic Circle, before they can reach the Atlantic to disrupt the shipping of U.S. men and supplies to the battle front. Based on Tom Clancy's best-selling novel of the same name, the game presents the player with five types of radar and sonar devices, five classes of sub-launched missiles, and three versions of

programmable torpedoes. The high-tech gear produces a riveting effect, and with all the data and high-tech decisions the player has to make, the pressure of playing cat and mouse with another sophisticated submarine can be awfully intense! \$54.95  
*MicroProse Software, Inc., 180 Lakefront Drive,  
Hunt Valley, MD 21030; (410) 771-0440*

**Red Zone**  
Fire up your fast track racing motorbike as you take on one of the world's most famous raceways. Jostle for position and work your motorcycle through the pack striving for the checkered flag. Specially optimized code takes advantage of accelerated computers. Authentic recreations of famous circuits, first and third person viewpoints, practice laps, action replays, more. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline,  
MA 02146; (617) 731-3553*

**Reel Fish'n**  
How many days can a small business owner take off from the shop without losing out? Depends on whether his days at the lake are profitable. Join him in this fishing simulation game and spend a sunny day reeling in fish. \$44.95  
*Interstel, Distributed by Electronic Arts, P.O. Box  
57825, Webster, TX 77598; (713) 946-7676*

**Renegade Legion: Interceptor**  
Take command of a fighter squadron and fly with the Elite Forces of either side in the never-ending wars between Terran Overlord Government and the Commonwealth. Dogfight with deadly 69th century starfighters—24 standard fighter types are included, or custom design your own. Arm fighters with high-tech weaponry, such as mass-driver cannons, lasers, electron and neutron particle guns, and many types of missiles. Fly over a dozen mission types, including anti-piracy, space station defense, enemy fleet interceptions, and wild melee engagements. \$19.95  
*Strategic Simulations, Inc., Distributed by  
Electronic Arts, 675 Almanor Ave., Ste. 201,  
Sunnyvale, CA 94086-2901; (800) 245-4525*

**Rick Dangerous**  
Combines fast-action arcade adventure with humorous graphics and strange sounds to give gamers an alternative to the fight-to-the-death genre of entertainment software. The hero, armed only with a six-shooter, some dynamite, and a big stick spends most of his time trying to stay alive amidst the mayhem of a variety of exotic, dangerous locales. Rick fights for his life in four scenarios: an Amazon temple, where he must dodge hostile tribesmen; an Egyptian pyramid, where he squares off against ruthless assassins; a Nazi prison camp, where he fights to free Allied POW's; and a Nazi missile base, where Rick is the last hope of the free world. Each scenario calls for fast reflexes and the ability to solve puzzles appearing at a moment's notice and leaving little time to find the answer. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive,  
Hunt Valley, MD 21030; (410) 771-0440*

**Rick Davis's World Trophy Soccer**  
The new state-of-the-art in sports simulation. Arcade action brings the realism of world class soccer to your home computer in this direct translation of the super high energy coin-op arcade game. Team up with Rick Davis to play soccer better than you've ever played before. Includes real-to-life animation, multidirectional scrolling, accurately simulated free kicks, goal kicks, corner kicks, and throw ins. Single or double player simultaneous action. Pass, tackle and shoot your way through the qualifying rounds with the world's best soccer teams! 512K-\$39.99 & 1MB-\$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA  
92714; (714) 833-8710*

**Riders of Rohan**  
Based on J.R.R. Tolkien's Lord of the Rings, players get the chance to live out the traditional Tolkien storyline or build their own saga in true Tolkien flavor. Players can bring the peaceful land and dynamic characters to life with the realistic 3-D terrain and sophisticated wargame system. Com-

mand the elite cavalry of Rohan as Riders battle to save their lush green land from the wicked forces of darkness and rescue the captured Hobbits from a fate worse than death. Includes numerous sub games and combat sections. Available first Quarter 1992. \$19.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo  
Grove, IL 60089-4510; (708) 215-5111 support*

**Rings of Medusa**  
You are the young Crown Prince of Morenor whose father's kingdom has been stolen by the evil goddess Medusa with her amazing diabolical magic. Your task is to challenge Medusa to the final fight. To do this, you will have to conduct trade, find treasures, equip an armada of ships and engage in sea battle, hire warriors for your land army and go into battle, gamble in the Casino of the Trolls; explore 33 cities, 13 castles, and three islands. Find five hidden rings in the kingdom and place them together in the temple of the Athenians to call Medusa into final battle. \$49.95  
*Digitek Software, 1916 Twisting Lane, Wesley  
Chapel, FL 33543; (813) 973-7733*

**Ringside**  
World championship boxing. Fight your way through ten opponents to the title. Decide your fighter's name, weight, and age; assign strength points to a variety of techniques. Modify the length of rounds and the rest between rounds. Also features a training mode in which you can train your fighter against the computer or another player. Game saves top ten scores to disk. Super graphics and sound; a must for the boxing fan. One or two player action. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE  
19711; (302) 454-7946*

**Rise of the Dragon**  
In Los Angeles, year 2053, the Age of Decay has begun. Pollution, sickness, crime, and drug abuse abound. The beast, the Dragon, has waited centuries to reclaim Heaven and Earth. He has come back to restore chaos to the universe and rule once more. But it is written that one will sacrifice all—William 'Blade' Hunter, Private Investigator. His violent techniques and disregard for regulations got him an early retirement from the LAPD, but now he'll fulfill the prophecy—the fall of the Dragon.  
*Dynamix, division of Sierra On-Line, 99 W. 10th,  
Ste. 337, Eugene, OR 97401; (503) 343-0772*

**Risk**  
It's the classic game of world domination! Challenge your powers of strategic planning in this game of fierce attack and vigilant defense, bold strikes, and cunning traps. Victory depends on how you deploy your forces, where you fortify your frontiers, and when you attack your enemies. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA  
92714; (714) 833-8710*

**Road Raider**  
Battle crazy rebel cars, shoot down armies of slimy mutants and test your skills in demolition derby rings in this action-packed road adventure, created by Chris Gray. Three unique game environments, three increasingly difficult levels, a variety of weapons, and add-on car supplies will keep even the most experienced game players challenged. \$39.95  
*MindScape, A Software Toolworks company, 60  
Leveroni Court, Novato, CA 94949; (415) 883-3000*

**RoboSport**  
In the future, robots do battle for the amusement of humans. Program maneuvers for as many as four teams of up to eight robots each. Program teams to be crafty, defensive, ferocious, or stupid. Robots battle in 24 arenas of three types: manicured suburb streets, giant computer motherboard, or rubble of a devastated town. Play on one computer, on two computers via serial or modem link, or on up to four computers over any PC network that supports TCP/IP v2.0. Also networkable with Mac or Windows version for two-computer competition. \$59.95

Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700

## Robocop 3-D

OCP is sending in Rehab Officers to clear the streets of Old Detroit, making way for the construction of Delta City. When Robocop sees helpless families forced out of their homes as the bulldozers move in, he joins the resistance movement to battle the Rehabs! Armed with a new multi-weapon arm attachment containing a large-bore cannon and a smart bomb, plus a gyropack for airborne assault capability, Robocop faces a battalion of Ed-209's, tanks, heavy artillery, and a new adversary, Otomo. Kickstart 1.2, 1.3. \$49.95

Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201

## Romance of the Three Kingdoms

China's second Han dynasty has collapsed. The entire nation battles with itself as warlords struggle for supremacy. As a warlord, you must defeat your enemies and control the country. Manage the states under your control to increase your power and resources. Cope with disasters, both natural and otherwise, choose good subordinates, and win their loyalty. Do your best to control and manage your empire. \$69.95

Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayside Highway, Burlingame, CA 94010; (415) 348-0200

## Romance of the Three Kingdoms II

New version has better graphics, more detailed scenarios, improved tactical and strategic options. The second Han Dynasty of China is crumbling. As a mighty general, beat your enemies and gain control of the country. Use your ruling powers wisely to enrich your territory and gain the people's loyalty. Develop alliances with other rulers to attack stronger foes. Along the way, obtain the spoils of war to increase your abilities, giving you an advantage over your enemies. \$69.95

Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayside Highway, Burlingame, CA 94010; (415) 348-0200

## Romantic Encounters at the Dome

Adult text game set in the sophisticated hi-tech private club called The Dome. Play out different persona: be romantic or reckless, etc. \$24.95

MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200

## Rotor

A strategy-oriented arcade game, where you are in command of a highly sophisticated rotor craft, flying solo through enemy fortresses in an effort to destroy their primary defense systems. Along the way you must collect fuel and energy to power advanced Rotor features. There are a total of 18 missions, with a password system to resume play on higher levels. \$12.95

Microdafi, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650

## Rotox

The troopers are Cyborg Class 2-A, approved to carry heavy energy weapons and tactical missiles for off-world combat. Specially constructed landscapes in deepest space provide a nightmare environment of deadly machines and hostile life forms. Mistakes are fatal, but success will lead Rotox to the high powered weaponry he needs to escape. Ten levels, state-of-the-art graphics, and music. Weapons include scatter-bombs, grenade launchers, jet packs, and heat-seeking missiles. \$39.95

U.S. Gold, Distributed by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (415) 513-8929

## Rules of Engagement

Command a fleet of starships, engaging enemy ships in multiple combat missions. All aspects of those personalities under your command must be considered when issuing orders and responsibilities. Includes mission builder, allowing you to customize existing missions or create entirely new ones. Design enemy races, starships, solar systems, and even individual personality traits of your fellow ship captains. Thousands of different combinations of opponents to choose from. You have option to load and run Breach 2 scenarios whenever the player attacks selected outposts by being played in conjunction with the Interlocking Gaming System. Requires at least 1MB. \$59.95

Mindcraft, 2291 205th St., Ste. 201, Torrance, CA 90501; (800) 525-4933

## SLAPSHOT!

Hockey simulation uses digitized audio and team editing capabilities. Includes animated penalty calls and fights. Runs in real time. \$59.95

Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300

## Santa Paravia and Fiumaccio

Strive to become King of your Medieval Italian city/state. Set taxes, buy and sell grain and land, build mills, markets, cathedrals and palaces, and make your town grow. The better your abilities, the higher your rank becomes. One to six players can compete to become King or Queen first! Full graphics. Three levels of difficulty. \$24.95

StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792; (407) 657-7553

## Santa Paravia and Fiumaccio (Tournament Version)

As in the original Santa Paravia you strive to become King of your Medieval Italian city/state. Set taxes, buy and sell grain and land, build mills, markets, cathedrals and palaces, and make your own town grow. This time all players meet the same conditions each year. Two to six players may compete to become King or Queen first! Full graphics. Three levels of difficulty. \$29.95

StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792; (407) 657-7553

## Savage

In Savage, the player is a powerful warrior searching for his kidnapped princess. To rescue her, he must battle his way through three challenging game scenarios. In the first, the hero beginning with only a battle axe must survive the evil creatures, and unavoidable obstacles within a tunnel-ridden dungeon. In the second level, Savage is on foot, racing toward the castle where his princess is held captive. The player must negotiate his way through fast-scrolling screens, avoiding the obstacles that appear without warning to intercept him. In the third level, the hero telepathically communicates with a magical eagle that flies through a mystical maze seeking to complete the quest. More evil demons, strange creatures and lethal traps appear throughout to thwart the final stage of the rescue. A great diversion from the real world. \$34.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440

## Scenery Disk #11

Includes the Northeastern border of the United States. Incredible variety, from industrial Detroit, to beautiful Lake Huron and Niagara Falls. \$24.95

subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820; (800) 637-4983

## Scenery Disk #7

Can be used with Microsoft Flight Simulator to greatly expand the user's flying environment. Features hundreds of miles of coastline, many rivers and roads, railroads, racetracks, and transmitter towers from the East Coast of the U.S.A., in detail from Washington, D.C. down through Key West, Florida. Over 130 airports will challenge the most seasoned Flight Simulator enthusiast. \$24.95

subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820; (800) 637-4983

## Scenery Disk #9

For use with all subLOGIC flight simulation products. The disk covers the Chicago, St. Louis, and Cincinnati sectional areas in unprecedented 3-D detail, and is appropriate for both visual flight (sight-seeing) and VFR or IFR cross-country navigation. Scenery Disk #9 covers more than 300,000 square miles of the midwest United States with over 150 airports and more detailed cities than ever before. \$29.95

subLOGIC Corporation, 713 Edgebrook Drive,

Champaign, IL 61820; (800) 637-4983

## Scrabble

Play Scrabble with friends or against the ultimate opponent, your own computer. Build your vocabulary and strategic abilities by playing through the different skill levels, from beginner to advanced. An ingenious combination of strategy and luck makes this game beloved of word lovers and gamers alike. \$39.95

Virgin Games, Inc., 18061 Flitch Ave., Irvine, CA 92714; (714) 833-8710

## Second Front

A division-level strategic game on a grand scale that will appeal to advanced wargamers. The map extends from Berlin in the West to Stalingrad in the East and covers the entire Russian Front. One or two players command over 150 German divisions and over 200 Soviet divisions, with asset information available to the individual tank, plane, and infantry squad level. \$59.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Seconds Out

Real-time, arcade-action boxing game. Superb animation and game play, with a touch of humor. Take on five different opponents in your quest for fame and fortune and a coveted World Title. \$29.95

StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792; (407) 657-7553

## Secret of the Silver Blades

Set in TSR's Forgotten Realms game world, the gamer will explore the most sophisticated AD&D fantasy role-playing games which include mines, dungeons, ruins, and ice castles. The player will battle monsters never before encountered, such as gargoyles, cloud giants, hydras, and other fierce foes. With the use of higher character levels, the user can invoke many other new powerful spells like: barkskin, charm person, delayed blast, and the fireball. \$19.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Sex Vixens From Space

Adult graphic adventure game. As Captain Brad Stallion, you must locate The Tribe, a colony of beautiful female clones from the planet Mondo who have been raiding the male population. Cruise throughout the galaxy in a one-man vehicle. \$39.95

Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650

## Shadow Sorcerer

This animated adventure offers a fantastic feature: You control the four heroes in your party simultaneously—even during fully-animated real-time combat. This fast-paced adventure boasts a point-and-click game system that's easy to use. And just in case things get out of hand, your heroes come with pre-set strategies, even before combat begins. \$49.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Shadow of the Beast II

Shadow of the Beast II features a new cast of sinister, intelligent opponents, arcade-quality animated sprites, diabolically clever hidden traps and puzzles to solve, multiple inventory control, real-time interaction with intelligent creatures, rich new sound effects and speech. \$49.99

Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553

## Shadowgate

This action begins at the foot of a huge castle filled with menacing creatures, secret passageways, collapsing floors, and other surprises. To survive the perils of castle Shadowgate, find the evil Warlock Lord before he summons the Titan Behemoth to destroy the world. \$49.95

MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

3000

## Shanghai

Strategy tile-matching game based on an ancient Chinese game. Remove the tiles that match the dragon. First player to run out of tiles wins. More complicated than it sounds! \$39.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049; (310) 207-4500*

## Shinobi

Use your Ninja might and magic as you attempt to save the children of the world's leaders from ruthless terrorists in this adaptation of the Sega arcade hit. This game takes you through five rescue missions, each ending with a confrontation with the Master Force. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Shoot 'Em Up Construction Kit

For those people who are certain they can create a shoot 'em up game better than any they've seen at their local software store, Shoot 'Em Up Construction Kit provides them with all the tools to do just that. Three pre-designed games are included on the disk, and game designers can choose to tailor any of these to their own specifications or start from scratch to create an entirely unique game. \$19.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Shufflepuck Cafe

Shufflepuck Cafe is a simulated air-hockey game that pits the player against nine different opponents, all of whom are regulars at the Shufflepuck Cafe, a seedy saloon reminiscent of the bar in Star Wars. The habitués are a motley crew from throughout the galaxy. They gather here because they love air hockey and this place has the last known game in the universe. Players can challenge any opponent and a droid keeps score on a chalkboard behind the table. Although each opponent has a unique style of play, they are also intelligent; so they're apt to change their tactics as they play. Players who succeed in winning a tournament get to place their names in the Roster of Champions. To keep the game challenging, several game elements are adjustable, including paddle size, bounce, and hit strength. For even more variety, players can change the playing characteristics of DC3-ALSO, the practice droid. Experienced game players will be challenged by the game's diversity and a range of difficulty. \$39.95

*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121; (800) 521-6263*

## Side-View Game Option Module

Play Omni-Play Basketball with the new Side-View Game Module and you'll enjoy the sport from a whole new perspective. Coach and/or play down on the hardwood, but now you lead the team as its Center at all times. Run anywhere on the court. Set picks. Call for the ball and teammates will give it to you whenever you want. Drive through the lane and get the quick two, stay on the perimeter and hit for a three-pointer or stuff a rebound back in the basket. Double-and-triple team options are even possible! Enjoy the game from the best seat in the house—down low courtside. From this new perspective and playing mode, see every second of hoop action from the eye of a TV camera following the ball left to right, down the court and back again. Need more thrills? Look for the acrobatic cheerleaders to heat up the action at half-time. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207*

## Silent Service

Action and strategy. Stalk enemy convoys through the waters of WWII's South Pacific. You make the crucial decisions. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Silent Service II

Silent Service II updates the classic with advances in sound, graphics, and game design, including new targets and scenarios. Digitized photographs depict enemy ships with uncanny realism. The new campaign option tracks your career with promotions and commendations. Realistic sounds and original music, as well as digitized speech. \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## SimAnt-The Electronic Ant Colony

SimAnt, the latest simulation game from Maxis, puts you in command of an ant colony out to conquer a suburban backyard. You directly control one ant and manipulate the composition and behavior of your colony to overcome rival red ants, hungry spiders, and human feet, in order to reach your goal—the house and its abundant food supply. \$59.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700*

## SimCity

The city simulator strategy game. You become mayor and planner of your city. Fully animated with graphics and sound. Features include cars, boats, helicopters, and monsters. Includes eight cities on the verge of disaster: San Francisco before the earthquake, Tokyo before the monster attack, Boston before the nuclear meltdown. See CDTV section also. \$49.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700*

## SimCity Graphic Set 1-Ancient Cities

Ancient Cities includes Ancient Asia, Medieval Times, and the Wild West. You, as Shogun of Ancient Asia, must lay down enough rickshaw tracks to keep the Sims from jamming the roads on their way to the Sumo wrestling contests. Or be king (or queen) for a day and raise gold to build your castle by taxing the rabble—but not so much that they revolt. \$34.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700*

## SimCity Graphic Set 2-Future Cities

Future Cities gives players access to Future U.S.A., Future Europe, and Moon Colony. In Future U.S.A. and Future Europe, you can build fusion or fission plants to power your gleaming cities. Or shuttle off to the Moon, where you can found your own mining and research colony among craters and dust canals, while repairing meteor damage and fighting off the creeping acidic fungus. \$34.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700*

## SimEarth—The Living Planet

SimEarth challenges players to manage a simulation of Earth riddled with pollution, global warming, and nuclear war. If this seems too real, start over and create a fantasy world of intelligent dinosaurs and carnivorous plants. Lay down different terrains, introduce animal species, or let them naturally evolve; view the planet as a flat map, or revolving globe; even try transforming the hostile environments of Mars and Venus. The possibilities are endless! \$69.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700*

## Ski or Die

Shred snow in this multi-event winter thrasherland. Carve up a speed-fed snowboard halfpipe, punch the ozone in the acro-aerial ski jump, smash your opponent in the innertube thrash, blast snowballs at unsuspecting targets, and torch your hair in the full-out downhill blitz. Rodney and Lester—everybody's favorite abusive tag team—are back again. Subzero arcade/action madness! \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## Skyblaster

Fast-paced 3-D air/ground combat simulation. Battle planes and tanks from your helicopter. Solid graphics and extremely challenging. Skyblaster will provide hours of entertainment for avid game players.

\$14.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Slaygon

Save the world from a toxic virus by destroying the Cybordynamics laboratory with your sophisticated military robot, Slaygon. Activate the Slaygon and prepare for the most important mission in the history of humanity. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Sleeping Gods Lie

A dying priest of the Kobbold Old Way bequeaths a sacred quest: to find and wake N'Gnir, an Old God rumored to slumber in one of the farthest flung of Tesser's eight kingdoms. Battle your way through 94 landscapes, fending off demons and bandits, befriending princes and hermits, winning knowledge and strength as you travel. Arm yourself with slings and crossbows, protect yourself with camouflage and dragonskin, and find the Ring of Annihilation. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## Sliders

The rules of the game are simple. You have to try to score points by shooting a small ball into your opponent's goal area. The game play, however, is intensely interactive requiring concentration, strategy, and skillful reflexes. Test the skills of an opponent or challenge the computer to any of the 12 different playing arenas. Develop advanced game tactics, managing the intense and fast-paced gameplay. Perform complex maneuvering, swift interception, defense, multiple ricochet, and instinctive shooting. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

## Slip Stream

The nine streams of the Slip Stream have been overtaken by an alien race who have infested the planet with various defense space crafts. Each craft is powered by a crystal that lies at the end of each stream. Object: Liberate the nine streams by destroying each power crystal. After disembarking from the mother ship, destroy as much of the landscape and defense crafts as possible. Watch out for barriers! \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Space 1889

Space 1889 recreates the solar system as envisioned by the scientific theories of the 19th century, and in the imaginations of such classic writers as Jules Verne, A. Conan Doyle, and H.G. Wells. Imagine outer space is not a vacuum, but is instead filled with luminiferous ether that can be negotiated with modified sailing ships. Imagine further that the planets Mercury, Venus, Mars—even the Moon—are not lifeless, but populated by a variety of bizarre alien cultures. You've just imagined the universe of space 1889—a mystery/role-playing adventure combining history and classic science fiction. \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## Space Ace

Space Ace continues in the tradition of Dragon's with breathtaking graphics, animation, and sound brought to life on the Amiga. Our hero, Ace, is being attacked by the evil commander Borf, who has just kidnapped Ace's girlfriend Kimberly. Borf's plans are to take over the Earth by changing everyone into babies using his dreaded weapon—the Infanto Ray. It is your mission to save Earth. Be valiant, space warrior, the fate of Earth is in your hands! \$59.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## Space Ace II: Borf's Revenge

Featuring full-screen animation and digitized sound, Borf's Revenge begins where Space Ace I left off—

in the space ship of the evil Commander Borf with Borf having just been turned into a baby by our hero Ace. But just when you thought Earth was safe from the evil commander, his little henchmen, The Goons, have blasted Borf a second time with the Infanto Ray, bringing him back to his full age...and evil. Lead Ace through battles with the goons and other of Borf's allies until you must ultimately do battle with the evil commander himself. \$59.95  
**ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175**

## Space Harrier by Sega

Prepare for the most fantastic space battle ever in the home computer version of this classic Sega arcade hit. Zoom through a spectacular 3-D landscape as you fight off a myriad of bizarre creatures, including slithering serpents, fearless robots, and eerie stone masks throwing fireballs. \$49.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Space Quest I: The Sarien Encounter (Updated Version)

Help Roger Wilco, sanitation engineer turned interstellar swashbuckler, recover stolen Star Generator from villainous Sarians. But if you think you know this game—Beware! Those Two Guys from Amrodromeda whipped up some new space magic and modernized this version with Amiga graphics, full-stereo soundtrack, celestial sound effects, and enough new puzzles to explode a meteor. Now emulates 1950's sci-fi movie but with 90's state-of-the-art animation and point-and-click interface. Six low density disks, hard disk installable. Requires 1MB and Workbench 1.2 or greater. Supports Amiga 4-voice sound. \$59.95  
**Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders**

## Space Quest II: Vohaul's Revenge

Roger Wilco returns in this Vohaul's Revenge sequel as a space hero trying to defeat the evil scientist, Sludge Vohaul. Colorful animated graphics. \$49.95  
**Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders**

## Space Quest III: The Pirates of Pestulon

Once again Wilco is called to battle Pestulon pirates and to save two software authors, The Two Guys from Amrodromeda, from a shallow life of writing arcade games. \$59.95  
**Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders**

## Space Quest IV: Roger Wilco and the Time Rippers

This time Roger Wilco journeys from the 16-color past of Space Quest I to the frightening future of Space Quest XII, one step ahead of the Sequel Police, a group of nasty assassins. Sludge Vohaul has been reincarnated in a ghostly new form, and only Roger can stop his nefarious plans. Roger emerges as a more complex character than in the early games, and even gets to meet his yet-to-be-born son in a future scenario! \$59.95  
**Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders**

## Space Rogue

Sophisticated 3-D space flight simulation and intriguing role-play. Features superb graphics as you maneuver through twisting worm tunnels, turbulent ion storms, and dazzling shard fields. Lock onto streaking cruisers with your plasmatorps, zip through treacherous Malir gates as you seek your fortune as a merchant, pirate, or bounty hunter! Includes 90-page novella, reference card, map, and playbook. \$49.95  
**Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490**

## Space Spuds

A 3-D arcade game designed for use with Haitex' X-Specs 3-D Stereoscopic Vision system. Players confront an intergalactic food fight as fat-filled junk food assaults their shapeless ship. Colliding with the junk food causes players to gain weight until they

explode. Haitex' X-Specs 3-D glasses offer a 3-D view of the assault. The LCD shutter glasses lug into the second joystick port. The system also allows users to create custom images. Package includes game, X-Specs 3-D glasses, Molecule 3D (a display program), D3-D (displays static images), and Cubes 3-D, a game in which cubes dance right out of the screen. 512K minimum. \$149.95

**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609; (803) 881-7518**

## Space Wars

Space War is outer space combat action at its best. One or two players fight it out for a sector of space. Space War follows in the tradition of classics like Asteroids™ and features arcade-quality graphics and sounds to enhance the heart-stopping action that surrounds your space-faring warship. Play alone or combat another armchair starfighter in the most exciting and dangerous sectors of deep space. Players have a choice of six different ships and four different space sectors. Features include two-player simultaneous play, animated menu screens with narrated digitally-recorded speech, digitized graphics, and giant animated objects. \$39.99

**Odyssey Software, P.O. Box 367, N. Eastham, MA 02651; (508) 240-2317**

## Spacewrecked—14 Billion Light Years from Earth by Gremlin Graphics

In this outerspace adventure, the Commander of the Regal Fleet Flagship sends a desperate S.O.S. A defective light speed jump brought the fleet of ships too close to a Wolf-Raet star going nova, and the Commander's fleet of biological survey ships is immersed in deadly radiation. All systems have failed, and alien life-forms are threatening him and his crew. Players must explore the 20 ships in the fleet, return all systems to 80 percent efficiency, capture the aliens, and steer the ships back to earth. \$19.95

**Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support**

## Speedball 2 - Brutal Deluxe

In this sequel to Speedball, players are challenged to turn the worst team in Speedball history—Brutal Deluxe—into champions. Players can be team manager or Speedball player and gear up with helmets for greater intelligence, chestplates, and other weaponry. Players can collect coins and tokens to purchase equipment and to alter the game play. In addition to scoring points via the goal, Speedball 2 - Brutal Deluxe awards players points for injuring the opponent and for bouncing the steel ball off bounce domes and score multiplier ramps. \$39.95

**Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support**

## Spoils of War

Strategic/management war game about discoveries, colonization, and conquests of foreign lands on faraway continents. Features: Nine different starting situations; two to four players (human or computer); 19 levels of difficulty; four seasons; governors, generals, and admirals to command with loyalty and administration values; command infantry, cavalry, artillery, fleets, more. Requires 1MB. \$34.95

**R.A.W. Entertainment, 957 NASA Road One, Ste. 146, Houston, TX 77058; (713) 286-2386**

## Sport of Kings

Formerly Omnipay Horseracing. The thoroughbred in all its splendor and grandeur brings you all the thrills of this royal sport. \$19.99  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## Spot

Spot comes alive and boogies across your computer screen with commercial-quality graphics and sound. Fully-animated game pieces. One to four player modes, played against your friends, computer players, or a mixture of both. Nine selectable levels of computer skill. An on-screen playfield designer lets you can customize your own game or select your personal favorite playfield from the 512 pre-programmed playfields. \$39.99

**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## Stable Owners Option Module

By adding the Stable Owners Option Module to your original Omni-Play Horse Racing game, you'll now enjoy the Sport of Kings from a whole new perspective. The Stable Owners Option Module allows you to join the elite class of thoroughbred ownership giving you control over the destiny of your own horses. The stakes are high, but so are the rewards. Experience firsthand the trials and tribulations of being stable owner. Put together your own personal stable of Claiming, Allowance, and Stakes Horses. Hire jockeys and match their skills against the competition as you now enter them into the races of your choice. The Stable Owners Option Module provides true fans with in-depth challenge and strategy. Up to four human players can participate at the same time against other computer opponents. \$14.95

**SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207**

## Star Control

An action/strategy game. Star Control is set in Earth's future where a 3-D rotating star cluster is your battleground. The large star cluster cannot accommodate all the alien races which make up the Ur-Quan Hierarchy and the Alliance of Free Stars. As a one or two player game you may select battle cruisers from the Hierarchy or Alliance. Star Control contains nine different strategic scenarios each with varying starting and victory conditions. \$49.95  
**Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700**

## Starflight

The year is 4619. The mission: find colonizable worlds, gather minerals and ancient artifacts, and learn the secrets of alien races. As commander of an interstellar spaceship, players train a crew of up to six members from five alien species: humans, androids, insect-like Velox, reptilian Thrynn, and Elowan, a race of intelligent plants. A built-in fractal generator treats players to beautiful color animation that brings unprecedented realism to rotating planets and landing sequences. It includes 270 star systems and 800 planets. \$49.95  
**Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525**

## Starflight 2: Trade Routes of the Cloud Nebula

The Spemin, an arrogant race of slimey blobs, are back in Starflight 2—with new weapons, unlimited fuel, and grand hopes of turning the universe into a giant petri dish. You've got charm, wits, and a hot starship, but unless you discover the source of their fuel and technology, you and everyone you know will be serving mucous cocktails to the Spemin overlords. Talk and trade with 29 new and unique alien species, explore over 500 new worlds, and solve today's mysteries by experiencing the intricacies of the past. \$49.95  
**Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525**

## Stellar 7

A futuristic arcade game, Stellar 7 combines strategy, hi-tech weaponry, and seven levels of action as players become the earth's only hope against invading Arcturan forces. At the controls of the earth's most sophisticated fighting machine, players will battle forces on seven worlds, and engage in hair-raising final confrontation with Gir Draxon, the supreme overlord of the evil Arcturan Empire. Users can choose between mouse, joystick, and keyboard support. Three-disk set, 32-color graphics, full sound support, and digitized voice. \$34.95  
**Dynamix, division of Sierra On-Line, 99 W. 10th, Ste. 337, Eugene, OR 97401; (503) 343-0772**

## Storm Across Europe

It's 1939: The fate of Europe is in your hands! The blitzkrieg that Hitler unleashed in 1939 swept across Europe like a terrible storm that raged for six years. Now SSI has designed this fast, exciting game that allows you to simulate the entire war on a grand strategic scale—in as short as one evening! Multiple scenarios and the ability to change starting

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

levels for each country allow for endless variations. Up to three players can play this game, with the computer able to control the Allies and/or the Russians. \$14.95  
**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Stratego

In the computer version of Stratego, one player competes with the computer. As in the traditional game, each opponent is provided with a 40-piece army made up of officers ranked in importance according to their position in addition to one spy, six bombs, and one flag. Each opponent secretly sets up one side of the game board or battlefield, planning a defense and an offense. The objective is simple. Whichever side captures the opponent's flag first wins the game. The computer version leverages the ability of the computer by providing strategists with custom game boards and piece sets, a library of game set-ups, multiple levels of difficulty and digitized sound effects. \$49.95  
**Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700**

## Street Rod

The complete 50's hot rodding simulator/construction set. Choose from among 25 authentic street rods from a '32 Deuce Coupe to a '63 Vette and customize them with over 35 performance parts. Then cruise down to the drive-in to challenge the locals to either a drag or road race. Win enough bets and pink slips and you may get a shot at the local 'king of the streets'. \$49.95  
**California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030; (408) 378-0340**

## Street Rod 2

Car savvy, driving skill and race winnings take you from high-school senior to King of the Road. Street Rod 2 is an expanded construction set and racing game. This advanced driving simulator for the Amiga blends stunning bit-mapped and vector graphics to heighten the racing experience. The player uses driving know-how and race winnings to put together a real mean machine. Then it's a test of his racing skill as he faces three new and demanding courses. By beating all the local challengers, the player at last takes on the King of the Road in the final shut-down. With 25 cars and over 60 spare parts to buy and sell, the player can spend a whole summer with a wrench in his hand. \$39.95  
**California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030; (408) 378-0340**

## Strikes Aces: International Bombing Competition

In 1984 the skies of North and South Dakota rumbled with the deafening sounds of the world's most powerful attack aircraft as they participated in competitive operations. For this epic event, the armed forces of each of the NATO/WARSAW pact nations were invited to bring their top gun pilots and their best strike aircraft together for a Strategic Air Command (SAC) Bombing Competition. During these extraordinary operations, top gun crews participated in a series of air-to-air and air-to-ground strategic missions, wherein priceless training was received. In this new flight simulation, players recreate this 1984 competition. Combining combat, strategy, and a wide range of challenging strike missions with detailed replicas of 13 different aircraft, Strike Aces allows computer pilots to take to the controls of six aircraft, including a Russian MIG, on 16 different combat intensive missions. \$49.95  
**Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700**

## Strip Poker III

Strip Poker III offers three new opponents who take you on in a challenging game of poker with some very different table stakes! You can play against one, two, or three opponents simultaneously. The graphics have been extensively updated, using the Amiga's hold and modify (HAM) graphics capability to produce life-like displays. During play, all opponents are shown, with one opponent occupying a large play area and the others displayed in smaller windows. These win-

dows can be swapped with the main opponent display at any time. The program uses digitized speech to better define each opponents personality. Additional data disks are available for \$24.95. Requires 1MB. \$49.95  
**Artworx, 1844 Penfield Rd., Penfield, NY 14526; (800) 828-6573**

## Stunt Island: The Flying and Filming Simulation

An island paradise is the setting for a brand new kind of simulation. The island complex was designed for the express purpose of staging and filming the most exciting and dangerous aerial stunts. Players will move up the ranks in either film making or stunt flying as they learn from the best of the best. P-51 Mustangs, the Pitts Special and other planes are at the player's disposal to try the hottest stunts imaginable. As a film maker, the player will learn camera placement, choreography, directing, and editing in pursuit of producing the ultimate thrill movie. Stunt Island is a simulator that can be creative as well as exciting. \$59.95  
**Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521; (818) 973-4390 sales**

## Stunt Track Racer

Race over 200 miles per hour on a narrow track hundreds of feet high, with all the twists and turns of a roller coaster but without the guard rails. You are up against drivers who know these turns and who know how to fly. You're racing to win, and on the stunt track circuit, winning is everything. \$39.95  
**MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440**

## Super Off Road

Strap on your helmet, grit your teeth, and prepare to master mud heaven with Ivan 'Ironman' Stewart's Super Off Road. Shake, rattle, and roll your way through mud holes, jumps, matchoffs, and spin-outs in the closest thing to genuine short-course racing you'll ever experience. Race up to three players at the same time. Go wheel-to-wheel on eight different stadium tracks and a total of 16 configurations. Trade winnings for accessories at the speed shop to improve your chances at victory. Enough rough and tumble racing excitement to turn you into a lean, mean, off-road machine. \$39.99

**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## Super Space Invaders

The arcade smash of the 1970's is back with a vengeance. Combines a host of features from the arcade classic like Phoenix, Gorf, and Galaxians. Optimized graphics and sound as well as loads of new and exciting waves. Aliens swoop at you from all angles and in dozens of different attack formations. Advanced players can find secret hidden levels, and there are wacky bovine bonus levels. Instantly playable and totally addictive. \$39.95  
**Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929**

## Supercars

Add on car disk for The Duel containing the newest models of production cars including: The '88 Lamborghini Countach 5000s; the '88 Lotus Turbo Esprit; the Ferrari Testarossa; the Porsche 911 RUF, and the '89 Corvette ZR1. \$21.95  
**Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700**

## Superfrog

That snotty evil witch Margaret has been up to her tricks again. She's turned the prince to be into a garden frog and imprisoned his intended one in a horrible old tower. With the help of vitamins and a bottle of Newcastle Brown Ale, our froggy hero becomes Superfrog! Help our hero through six fantastic lands in order to get back his girl and vanquish the evil old crone and her curse. Meet Spud and Dudley; experience platform action full of fun, cartoon animation, and daft sound and speech effects.

**Team 17 Software, Prospect House, Borough Road, Wakefield, W. Yorkshire WF1 3AB,**

**England; 011-44-924-291-867**

## Superman: Man of Steel

You are the Man of Steel, but countless challenges await you. An endless siege of earthquakes and volcanoes are rocking Earth; terrorists have hijacked a yacht with Lois Lane and the governor on board; and two of your most dangerous enemies have struck an unholy alliance. The clock is ticking with only hours left to save the world. \$39.95  
**Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (800) 468-7226**

## Superstar Ice Hockey

Sharp graphics and realistic play put you into the middle of the action of this sports simulation. Make the trades, recruit players from the minors, conduct training camps, make line changes, call strategies, and compete against your opponents in this multi-dimensional game. You act as player, coach, and manager. \$49.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Swap

A sophisticated puzzle game based on squares, triangles, and hexagons. Swap them at will. The goal is to eliminate each shape by bringing two identical ones side by side. The level of difficulty becomes more complex as you move from an environment of squares through to hexagons. You will encounter more than 300 levels of play, millions of layouts, and billions of combinations. The game has two modes, practice and competition. \$49.95  
**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## Sword of Aragon

The Duke of Aladda has died and left his last will and testament to you, his only child and heir. The Duke's legacy is a gallant one, replete with deeds of valor in the defense of Aladda. By his efforts, the former capital of the western realm of the Aragonian Empire has returned to a proud state. It is your father's deepest wish that you once again extend Aladda's dominion and eventually sit on the emperor's throne in the city of Tetrada. \$14.95  
**Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525**

## Sword of Sodan

Sparkling graphics with animated, screen-sized characters and dual roles let you challenge the odds as hero or heroine! \$34.95  
**Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434**

## TRUMP CASTLE

The ultimate casino gambling simulation: Trump Castle includes six of the most popular games: black-jack, roulette, craps, keno, nine varieties of slot machines including progressives, and video poker. From the 3-D animation of the roulette wheel and the dice at the craps table to nine different slot machines, varying table limits and range of chip values, Trump Castle brings real-life casino play to a home computer. \$39.95  
**Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (800) 468-7226**

## Table Tennis Simulation

Table Tennis Simulation features singles and doubles games against the computer or with or against a human partner. Play in the World Championship against a select group of players—or up to 20 players. All techniques available: block, topspin, slice, high serves, net attacks; choice of paddle cover; saving and loading of rankings; training against a ball machine; etc. \$34.95  
**DigitTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733**

## TableTop Treasury

The TableTop Treasury is a five-disk compilation of 24 of the best freely redistributable board, card and mind games for the Amiga. Included are Solitaire, Golf, Mosaic, Tiles, YahZee!, AmigaTration, HuskerDu, Trek Trivia and 16 more. Available

through computer retailers. NTSC. All Amigas, 1.3 and 2.0 compatible. Other sets available. Call for details. \$14.95

*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133; (216) 582-0910*

## Talespin

Talespin is a package which combines drawings, texts, and sounds into a series of pictures to form an interactive adventure game. \$49.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Tangled Tales

Cast in the role of a wizard's apprentice, the player is given three progressively difficult tasks to accomplish as proof of their wizardly worthiness. Before long, discover an outlandish world that includes haunted houses, medieval fortresses, and contemporary country farms. From a few hours to a few days of time-tripping fun and excitement. Travel through time, across continents—even use a magic carpet! \$29.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Tanglewood

Control five mining mobiles, each with its own programs and data. Search the planet Tanglewood for the priceless 3-D crystals. Problem solving in real-time, with over 1,200 locations to visit. Mouse-controlled, no text entry. Success depends on your problem-solving ability and dexterity. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Targhan

Win the ultimate battle of good vs. evil in the adventure of a lifetime! Be Targhan, the barbarian on the search for the evil one. Battle 40 different life-like creatures, each massive and detailed; explore 120 different landscapes, indoors and outdoors; use special weapons; drink potions to use the wizard's magic; fight giant dragons. \$39.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Team Suzuki

Live the sensation of a Grand Prix season with Team Suzuki, a first-person motorcycle racing simulation with 125cc, 250cc, and 500cc Suzuki motorcycles and 16 challenging circuits. \$19.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## Team Yankee

Distributed by ReadySoft, presented by Empire, Team Yankee is the definitive action simulation of modern tank warfare. Watch scenarios unfold on 3-D battlefields with high definition graphics and keep track of the four tank platoons you control using the unique four quadrant display. Defend Hill 214 from Yuri Potecknov's crack tank platoons, attack Objective Link through sniper fire from forests, protect the Gap from an entire Soviet tank battalion at night. Five major scenarios based on the battles featured in the New York Times No. 1 best seller, Team Yankee. \$59.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## Team Yankee II: Pacific Islands

By Empire. This much awaited sequel to Team Yankee puts you in the year 1955 and in control of an American tank platoon whose mission is to reclaim Yama Yama, a strategically important group of islands in the Pacific. The five islands of Yama Yama have been invaded by disaffected Soviet communists backed by North Korea, severing one of your most secret and vital communications links. You must act quickly to eliminate the enemy in this desperate race against time. Pacific Islands will test your strategic abilities as you simultaneously deal with multiple objectives through over 30 nerve-clenching battles. Only if all five islands are liberated can your mission be called a success! \$49.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## Teenage Mutant Ninja Turtles

Team up with these heroes on a halfshell, armed with wacko bombs and armed blimps, as you fight off the Evil Foot Clan. Joystick controlled. For one player. \$44.95

*Ultra Software Corporation, 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111*

## Teenage Mutant Ninja Turtles: The Arcade Game

A made for home computer version of the original coin-op game. Two-player simultaneous action for ultimate Turtle Power. Battle through eight levels. Guide the Turtles on skateboards and through burning buildings. Save April and defeat Shredder while battling over 600 enemies. \$39.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## TeleEpic

The medieval version of the ultimate strategy war game. Instead of commanding tanks and artillery, you lead a band of heroes waging war against your mortal foe. Test your skills wielding a mighty axe or sword. Throw a dagger or check your accuracy as an archer. \$39.95

*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106; (817) 737-3297*

## TeleGames

Like all our 'Tele' products, TeleGames provides the enjoyment of competition without the problem of where to play. Competition is enhanced with smooth 3-D perspective graphic animation and digitized sound effects. Players may compete on one computer or 'TeleConnect' via modem. \$34.95

*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106; (817) 737-3297*

## TeleWar

Strategy war game for two players at one computer or over the telephone. Destroy the opponent's headquarters. \$39.95

*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106; (817) 737-3297*

## Telewar II

The Ultimate War Game Revisited with new terrains and enhanced gameplay features. Experience the ecstasy of blasting your best friend to rubble or disintegrating someone you don't even know. Watch out! You may be the next casualty peering out of a twisted pile of smoldering steel. \$39.95

*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106; (817) 737-3297*

## Terrain Editor

Custom design your own landforms for SimCity. Modify existing landforms. Place rivers, forests, coastlines, and bare land where you want them. \$19.95

*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700*

## Test Drive

Driving simulation lets you drive one of five sports cars. Game ends early if you drive too slowly, go off the road, or get pulled over. \$19.95

*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## Tetra Quest

Before the first galactic games can start, you must recover the stolen six Phoenix Tablets. They've been stolen by the Tetroids, who weren't invited to participate. If you can recover the Tablets, Phoebus, the sun god will make you a Phoenix and you'll soar above the four-level world. Space-age action. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## Tetris

Requires fast thinking and quick reflexes. A variety of shapes descend from the top of the screen, player manipulates shapes into position to form solid rows. Challenge and speed increase at higher levels. \$34.95

*Spectrum HoloByte, 2490 Mariner Square Loop, Alameda, CA 94501; (510) 522-3584*

## The Addams Family

Uncle Fester has lost his memory and fallen under the spell of Abigail Craven, a conniver who wants to get her hands on the Addams' hidden fortune. She manages to capture and imprison the members of the Addams Family within their huge mansion. Only Gomez can save the day by freeing Pugsley, Wednesday, and Granny—and by restoring Uncle Fester's memory. Then Gomez must find Morticia in the underground vaults and confront the evil Judge in a kooky, spooky climax! Kickstart 1.2, 1.3. \$49.95

*Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201*

## The Animation Classics Pack (bundle)

Imagine the best animation for your Amiga and three titles all in the same package. ReadySoft presents Dragon's Lair II: Time Warp, Space Ace and Wrath of the Demon all for one incredibly low price. All titles were exceptional products for their graphics and animation. For any avid gamer these Animation Classics are a must have. \$69.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## The Bard's Tale III: Thief of Fate

Someone or something has sealed the city's fate with an evil so vast that a host of Paladins and an army of Archmages are outmatched. Hard times call for subtlety. Smaller is better. Sneakier is best. What the world needs now is a thief. A compelling role-playing adventure with over 13 character classes and 80 dungeon levels. \$49.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## The Bard's Tale II: The Destiny Knight

A new Bard story with a new villain—the Archmage. More dungeons, clues, monsters, wilderness, and more. \$19.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404; (800) 245-4525*

## The Black Cauldron

Based on the popular Walt Disney movie. Several game solutions, music, and 3-D color graphics. \$39.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## The Cardinal of the Kremlin

Anti-missile defenses and satellite technologies provide the central action in Tom Clancy's novel, The Cardinal of the Kremlin. In Capstone's computer simulation, players are challenged to develop these strategic defenses for America—manipulate a myriad of international forces, deal with espionage, terrorism and global politics—to win the technological race against the Soviets. See CDTV section also. \$49.95

*Capstone, A division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900*

## The Chaos Engine

From Konami and Renegade. A massive global catastrophe has paralyzed a crumbling mansion in Victorian England—The Chaos Engine. This malfunctioned computer is distorting the fabric of time and space. A party of six must team up to destroy it. They must survive four levels of dark forests, sprawling industrial workshops, and the doomed mansion. Artificial intelligence is built into each character. Each character has unique abilities which vary as game develops. Players can control up to three characters at a time. Available second quarter 1992.

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## The Chessmaster 2100

Whether you're just learning chess or you're a true pro, this is the game for you! We took the award-winning Chessmaster 2000 and made it even better...the result is a magnificent chess program that contains every option that skyrocketed 2000 to the top of the charts and more! Chessmaster 2100 offers an unlimited number of levels, triple the

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

number of features, more and different classic games, and even greater in-depth analysis. \$49.95  
*Software Toolworks, The , 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## The Colonel's Bequest

The Colonel's Bequest is the first of a new series of Laura Bow mysteries. As college coed Laura Bow, daughter of a New Orleans police detective, you spend the weekend with your schoolmate at her uncle's bayou mansion. It seems the family has gathered for the reading of patriarch Colonel Henri Dijon's will, and the group learns it will share in the old codger's wealth... if they outlive him! Call company for details. Requires 1MB. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

## The Colony

Enter The Colony and embark on an adventure so real and unique that you melt into the environment. Players become the space marshal who must explore a six-level colony to rescue survivors from a planet overrun by aliens. Combining action, strategy, and the most advanced 3-D algorithms in home computing gaming. This is the adventure game that captures science fiction at its best. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## The Crossword Creator V1.1

Version 1.1 allows you to design, save, and print your own crossword puzzles. Fast 87,000 word pattern-matching dictionary. \$49.95  
*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706; (208) 336-4583*

## The Cycles

Motorcycle racing simulation. Includes the actual international Grand Prix courses, three performance classes, and five different skill levels. You compete against nine world-class Grand Prix riders. \$49.95

*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## The Duel: Test Drive II

Racing simulation. Head-to-head racing with the world's two fastest (200 mph.) production cars: The Porsche 959 vs. the Ferrari F40. \$49.95  
*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## The Game of Harmony

In this arcade game for the new age, players use a combination of strategy and concentration not to annihilate objects on the screen, but to keep them from blowing up. A one or two player game, players control a single spinning sphere, referred to as 'the seeker', on a screen filled with constantly moving, multi-colored orbs. The object is to create synergy by strategically maneuvering like-colored orbs together before they explode with tension. If two orbs of differing colors are allowed to synergize, they will create a small pod that can be gobbled up for energy if you act fast enough. Otherwise, this pod will expand into a completely new orb. Accompanied by randomly generated musical scores, the game contains 50 progressively challenging configurations (levels) randomly arranged with orbs which glide around the screen while you attempt to gain points, and eventually ultimate harmony. \$29.95

*Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700*

## The Godfather

A computer adventure which captures in graphic and blood chilling detail, the atmosphere of the Godfather trilogy. \$49.95  
*U.S. Gold, Distributed by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (415) 513-8929*

## The Gold of the Aztecs

For 400 years no one has dared to take up the toughest challenge man has ever known—to find Quetzacotl's Gold of the Aztecs. No one has dared, that is, until today. Bret Conrad, ex-Special Forces Commander is bored. His combat training has

made mortal danger a way of life, and he's been looking for a death defying mission that he can really sink his teeth into. Over 80 screens of non-stop action and devious puzzles, 7,000 frames of animation, and 600K of music and sound effects. \$49.95

*U.S. Gold, Distributed by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (415) 513-8929*

## The Hunt for Red October

The ultimate submarine simulation game! Armed with 26 SS-N-20 Seahawk missiles, this Soviet killing machine is capable of destroying 200 cities. Equipped with the unique Caterpillar propulsion system, detection of the Red October is nearly impossible. Your mission: to defect to the West. Test your brilliance in stealth, evasion, and navigation as Commander of the Red October!  
*Software Toolworks, The , 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## The Keys to Maramon

The world of The Magic Candle has many tales to tell. The Keys to Maramon is one of the best—a tale of action, bravery, danger, and excitement. Join the tale yourself! Excite your brain and your finger to the max, and return with the keys to the city—The Keys to Maramon. \$49.95  
*Mindcraft, 2291 205th St., Ste. 201, Torrance, CA 90501; (800) 525-4933*

## The Killing Game Show

Set in an alien solar system where all violence has been eradicated, the hottest inter-planet TV game show is The Killing Game. In this game competitors are selected from each planet and have to negotiate the defenses on opposing planets. These play areas are all based inside cylindrical arenas which are slowly filling with water. The object is simply to reach the exit at the top of each cylinder without being destroyed. The player will take the part of a competitor from one of the planets involved. They will travel between the various worlds taking the challenge of the natural terrain of each planet. The arenas will vary from planet to planet. Some will be made of Caverns, Roman Temples, Organic Materials, and other forms. There will be eight planets, and three cylinders on each planet making 24 levels in all. \$44.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553*

## The Last Inca

The evil wizard Zulphosi was held captive under the rule of the three wizards from the new islands. After the last real wizard there died, he managed to escape. He now seeks revenge against the Inca people for their allegiance to the three wizards. Will you be the one to challenge Zulphosi? \$39.95  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517; (717) 562-0650*

## The Lord of the Rings

Based on the classic Tolkien saga, this is the first in a trilogy of games. Combining the elements of graphic adventure and role playing, it uses full-screen, top-down graphics, a point-and-click interface, an off-line paragraph system, and four-directional scrolling to maneuver players through the seven map world of Middle Earth. Primarily a game of exploration and information gathering, combat always remains an option, as Middle Earth is inhabited by orcs, wargs, dark riders, and a whole cast of Tolkien monsters. Starting out as Frodo, the hobbit, players can recruit characters to join their party as they progress through the game. \$54.95  
*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

## The Lord of the Rings, Vol. II: The Two Towers

This role-playing adventure continues where The Lord of the Rings left off. The Two Towers allows players to control a party of benevolent characters in role-playing adventure as they battle orcs, trolls, and oliphaunts, and ultimately come face-to-face with the mysterious Two Towers. Colorful animation, 256 color VGA graphics, and a full musical score. Available 1st quarter 1993.  
*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

## The Perfect General

Based on a series of tournaments played weekly over a period of 12 years. Bruce Williams Zaccagnino created the original design with a goal of simple game play with great depth of strategy. Uses very simple combat pieces with well-defined attributes and capabilities. Includes a wide variety of challenging scenarios, from very simple to highly complex. Each scenario has infinite strategic and tactical options available. You can discover virtually thousands of different games within each scenario. There is no single correct strategy! This is one game you won't tire of for many years to come.  
*Quantum Quality Productions, 1046 River Avenue, Flemington, NJ 08822; (908) 788-2799*

## The Plague

Purge the planet from plague-infested mutants in this incredible new game! \$39.95  
*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434*

## The Revised Ultimate Hint Kit Vol. I

TRUHK contains over 35 walk-thrus, 60 detailed maps. Also included are game and character editors for various games. Requires 512K. \$19.95  
*Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308; (817) 691-0964*

## The Revised Ultimate Hint Kit Vol. II

TRUHK II contains walk-thrus for Drakkhen, Might & Magic and most of the Sierra games. TRUHK II has over 60 detailed maps. Maps for Infestation, Persian Gulf, Champions Krynn, Stryx, and more! TRUHK II includes game patches for unlimited lives or power for Persian Gulf, Infestation, Teenage Turtle, Killing Game Show and more! TRUHK II also contains character editors for Might & Magic, Drakkhen, Champion Krynn. Requires 512K. \$26.95  
*Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308; (817) 691-0964*

## The Rocketeer

He never intended to become a hero, but then most people don't clash with Nazis and have G-Men on their tail while trying to rescue their kidnapped girlfriend. The Rocketeer must face all of this and more in this action/strategy game from Disney Software. Set in the 1930's, The Rocketeer lets players fly vintage aircrafts and pit their brawn and wits against Nazi henchmen. Players will also be able to fly the experimental Cirrus X-3 rocket pack. \$49.95  
*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521; (818) 973-4390 sales*

## The Scrolls of Talmouth

First in a series of quest disks for Paladin, the animated fantasy game. Each quest disk includes 16 games, all linked into one grand quest. Mages, swordsmen, rangers, and thieves will put you to some difficult tests on your path to knighthood. \$24.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423; (203) 678-7679*

## The Secret of Monkey Island

The late 1600's were the best of times for pirates. Secure in their Caribbean strongholds, they amassed huge fortunes plundering shipments of New World gold. Tales of pirate wealth attracted many adventurers, among them our hero, who lands in the port of Melee with high hopes, no money, and an insatiable curiosity. If he's clever enough, he will win the confidence of Melee's pirates and soon find himself blown by the winds of fate toward the terrifying and legendary Monkey Island—an adventure that would chill the bones of even the most bloodthirsty buccaner. \$59.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927*

## The Seryachi Campaign

First in a series of combat scenario disks. Each disk includes 16 scenarios—all set within a self-consistent network. Whether you're fresh out of bootcamp or a veteran STAR leader, these campaigns will give you a chance to test your mettle against a challenging set of opponents and conditions. \$24.95  
*Omnitrend Software, Inc., 15 Winchester Court,*

Farmington, CT 06032-3423; (203) 678-7679

## The Terminator

The story of a superhuman cyborg sent back through time from a hellish future where man's very existence hangs in the balance and machines rule the earth. His mission—to destroy the mother of the one man who is destined to save mankind. \$39.95

Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300

## The Third Courier

This role-playing game takes players to the city of Berlin where you assume the role of Moondancer, the free world's best secret agent. Your mission: recover stolen NATO defense plans. Two of the three NATO couriers who were handcuffed to the plans now lie on marble slabs in a morgue. Each was carrying a crucial component of the NATO non-nuclear defense plans—a computer chip, a floppy disk and a CPU. You have seven days to search for the Third Courier and locate each of the three components before they fall into the wrong hands. \$49.95

Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (408) 985-1700

## The Untouchables

Based on the smash-hit movie. The Untouchables virtually blasts its way onto your computer screen. The game's spectacular busts, raids, shootouts, and duels put you in control of Eliot Ness' elite squad of Mafia-busters. You'll relive the knife-edge existence of these fabled lawmen as they crusade against lawlessness and injustice through the crime-infested streets of Chicago in the 1920's. Take on the Mob as you lead the Untouchables on their most difficult mission ever. Every minute contains explosive action and intense adventure, and a thrilling denouement ends the game. Kickstart 1.2.1.3. \$19.95

Ocean of America, 1855 O'Toole Ave, Ste D-102, San Jose, CA 95131; (408) 954-0201

## Their Finest Hour: The Battle Of Britain

During the summer of 1940, wave after wave of German fighters and bombers pummeled RAF bases in southern England. Now you can capture the aerial heroics on both sides of the conflict. Fly Spitfires, Hurricanes, Messerschmitts, and German bombers in 3-D air combat so real you can almost feel the gunfire. See exciting replays of your combat exploits from any angle in real-time or freeze-frame. You can even save them on disk. Includes photo-packed 180-page manual. A fitting tribute to the 50th anniversary to the Battle of Britain. \$59.95

Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912; (800) 782-7927

## Theme Park Mystery

Theme Park Mystery combines adventure and strategy levels with unusual clue-bestowing segments. A complex, multilevel mystery that transforms you into different characters and sends you through four warped worlds; Yesterdayland, Futureland, Dreamland, and Dragonland. Detailed character animation and background graphics give Theme Park Mystery a unique polished look. Captivating sound effects set the tone for Theme Park Mystery. \$19.95

Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support

## Thexder

Pilot your armored robot through caves, cargo holds, and spaceship interiors. Transform Thexder into a jet. Over 20 kinds of aliens, hi-res artwork, synchronized soundtrack. \$34.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders

## Thunder Blade

Control the world's most sophisticated attack helicopter in the home-computer adaptation of Sega's #1 blockbuster arcade hit. Fly over skyscrapers, mountains, deserts, and the sea as you attempt to accomplish the near-impossible mission of defeating the enemy. \$49.95

MindScape, A Software Toolworks company, 60

Leveroni Court, Novato, CA 94949; (415) 883-3000

## ThunderStrike

The year is 2238. Earth is controlled by defense industries and TV networks. You are a gladiator competing in televised military Olympics, high-tech fighter pilots battling enemy drones and generators to obtain high TV ratings and high scores, and keep alive. Choose from five deadly attack fighter crafts with varying speed, maneuverability and acceleration. Zoom over colorful futuristic 3-D battlefields in five different arenas with ten levels in each arena. HUD provides imaging for fast maneuvers in deadly low-flying combat. \$39.95

Live Studios, Inc., 30151 Branding Iron Rd, San Juan Capistrano, CA 92675; (714) 661-8337

## Thunderboy

An action-adventure game. Battle the dragon in the dark land where even the butterflies are deadly. \$14.95

DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733

## Tie Break Tennis

It is possible to play a singles or doubles tournament, and by using the optional joystick adapter, up to four players can play at the same time. All techniques are available: crushing serves, forehand, backhand, topspin, slices, lob, overhead play, volley, passing shots, drop shots, and soft balls. This game features amazing speech and sound effects and a presentation in TV-style. \$39.95

DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733

## Time Bandit

Sixteen lands, 16 levels per land, over 3000 screens. Travel through time and space for priceless treasures. \$19.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946

## Timeless Text Adventures

Compilation of eight quality Amiga text adventures. Included are Adventure, The Attic, Dungeon (the original Zork), The Golden Fleece, The Holy Grail, Labyrinth II, Midnight Thief, and World. NTSC. All Amigas (Midnight Thief not A3000 compatible), 1.3 and 2.0 compatible. 1MB. Available through retailers. \$15.95

Digital Expressions, P.O. Box 33656, Cleveland, OH 44133; (216) 582 0910

## Times of Lore

An ancient land is in turmoil since the king and his young child disappeared 20 years ago. You, as a hero-for-hire, learn much of the distinctions between appearance and reality while completing your quests. Over 60 characters, detailed cities, and towns. \$39.95

Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490

## Titan

The year is 2114, the place: Vegapolis. Professor Hybris, the genius behind all analytical conceptrs, is the creator of a brand new leisure concept, which has been driving crowds crazy. But the game is deadly and all have died somewhere along the 80 levels. To succeed, you must guide the power sphere across eighty immense and synthetic worlds using just one magical and magnetic control unit, while avoiding all manner of death obstacles. Ultra-fast scrolling, multi-color graphics, and a variety of game play. \$44.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693

## Tom Landry Football

Now you can have professional football all year round with this action-packed strategy game. Put your knowledge of football to the test. Choose your team as well as formations and call your own plays. Need advice? Ask Tom Landry for some helpful hints. See you in the playoffs! Requires 1MB RAM, Kickstart version 1.2 or later. \$49.95

Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353

## Tournament Disk for Leader Board

Accessory for Leader Board. \$19.95  
Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837; (800) 800-4880

## Tracers

The interiors of all computers have been invaded by terrorists, thieves, and other lowlives. As a member of the Integrated Human Operations Police, you must stop them. \$24.95

MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200

## Track 2 Option Module

All new racing animation as well as enhanced pre-race parade graphics. Also includes Stable 2: 128 new horses with their own names, skills, and personalities. Works with any Horse Racing Module. \$14.95

SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207

## Track Designer Option Module

Break away from traditional oval tracks by creating an unlimited quantity of race tracks of varying shapes, distances, and difficulty. Comes with its own track player so that you can use your newly created tracks with any Horse Racing Module. Includes Saddle-3-D graphics so you can experience each race from the horse's back. \$14.95

SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704; (714) 966-0207

## Treasures of the Savage Frontier

Long-awaited sequel to Gateway to the Savage Frontier. Your truly daunting mission is to save the Savage Frontier from a cataclysmic war, free Lorkh from its evil captors, and regain a powerful magical item lost since ancient times. Movement and combat are now affected by the unpredictable effects of weather. Players can have romances with NPCs. Combat reinforcement can sometimes give you extra help when you need it most. With the Savage Frontier teetering on the brink of all-out war, this feature will be put to good use! 1MB. Available September 1992. \$49.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Trump Castle II

Multi-player capabilities, digitized photos, animation and sound, plus a free Gaming Guide and resort discount offer make Trump Castle II the ultimate casino gambling simulation. It offers six popular gambling games—Baccarat, Blackjack, Craps, Roulette, Video Poker, and Slots—each with realistic game play for up to four players. \$49.95

Capstone, A division of Intracorp, Inc., 7200 NW 19th St., Ste 500, Miami, FL 33126; (305) 591-5900

## Tunnels of Armageddon

An extremely fast-paced futuristic action game. Strap yourself in the snugly-fitting cockpit as you warp your way through a network of futuristic underground tunnels in search of the doomsday device. Disarm the device in time or Earth is doomed. Pick up different weapons and support items on your way. Realistic first-person perspective to make you feel as if you're really flying through a tunnel. Make it to the end in time and you'll be written up in history books. Fail, and you'll be history. \$39.95

California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030; (408) 378-0340

## Turbo

Speed through cities, countrysides, and mountains in this road war game with continuous shooting excitement. With increasing levels of difficulty, Turbo has obstacles to hinder the driver, and road features to help him. \$24.95

MicroIllusions, 13464 Washington Blvd, Marina Del Rey, CA 90291; (310) 822-9200

## Turrican

Travel over 1300 screens, meet 50 different aliens,

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Entertainment

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

three-way parallax scrolling! \$39.95  
*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093; (410) 560-2434*

## Typhoon of Steel

Three theaters are covered in this tactical game: the Pacific, the Asian and the European. Practically every ground weapon used in those theaters is included—tanks, tank destroyers, machine guns, pillboxes, flamethrowers, etc. Choose to simulate single battles or an entire campaign. Each unit symbol represents either one tank/gun or a squad of infantry; each square of the 60x60 map, 50 yards. Tools are provided to let you create maps, troops, and missions. Requires 1MB. \$14.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525*

## U.S. Open Courses I

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Merion Golf Club, Winged Foot Golf Club, Bellerive Country Club, The Country Club of Brookline MA, and Shinnecock Hills, Long Island. Bellerive just hosted the 1992 U.S. Open. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## U.S. Open Courses II

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Baltusrol (Springfield, NJ), Olympic Club (San Francisco), Medinah #3 (Illinois), Champions Golf Club (Houston), and Oak Hill (Rochester, NY), the 1989 site. Medinah hosted the 1990 open. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## UMS II

According to award-winning Ezra Sidra, the guiding principle in the development of UMS II has been 'let the player control everything including the level of control he wants.' UMS II is the most sophisticated Battle Strategy you'll ever use. From ancient battles of classic history to the wildest science fiction fantasies, UMS II lets you recreate them all with its unique 3-D graphics system. \$39.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440*

## UMS II: Nations at War

Simulates wars on a global scale, encompassing complete worlds and entire war campaigns, up to 127 nations, over 500 provinces, and 32,000 military units. Features controllable weather systems, naval, air, orbital, ground, and supply units, attrition, taxation, unit production, and more. Comes with Alexander the Great in 334 B.C., assault on Fortress Europe in 1944, and Napoleon in 1805. Requires 1MB minimum. \$39.95 plus postage.  
*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804; (319) 323-5293*

## UMS II: The Planet Editor

Allows the creation of scenarios for UMSII: Nations at War. Make continents, deserts, islands, rivers, highways, etc. Create nations, provinces, cities, and affiliations. Design unit types, attack/defense indices, and terrain effect indices. Decide the production and recruitment capabilities for building units during game time. Use these unit types to build and place armies for each nation. NTSC. Requires 1MB. \$49.95  
*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804; (319) 323-5293*

## UMS: The Universal Military Simulator

Simulates battles on a 3-D grid. Includes Gettysburg, Arbel, Hastings, Marston Moor, and Waterloo. Includes ability to create armies, 3-D maps, and scenarios. Users can play each other or the computer. Battles can be viewed from eight directions at two levels of zoom, and units can be displayed in their immediate environment. Any army can be

used with any scenario from history or the future. Requires 512K, 1MB for enhanced sound. \$25 plus postage.

*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804; (319) 323-5293*

## Ultima III

Fantasy role playing. Defeat the evil wizard, using navigational strategies and ship-to-ship combat. Advanced dungeon graphics and full color visuals. One to four players and roster of up to 20 characters. Soundtrack with on/off sound toggle. \$39.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Ultima IV

Fantasy role playing. Become an Avatar and lead your people by demonstrating the virtues of Avatarhood. Hundreds of characters to interact with. Difficult challenges, ethical dilemmas. \$59.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Ultima Trilogy I-II-III

The complete Ultima adventures in one package that tells the captivating story of the struggles of Lord British's kingdoms with the forces of darkness—the Triad of Evil. Journey through The First Age of Darkness, confront The Revenge of the Enchantress and then face Exodus: Ultima III when the Great Earth Serpent awakens from a slumber of ages. Only a party of adventurers can save Sosaria. \$59.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Ultima V

Over four man-years in the making, Ultima V is the latest in the saga. Takes place in the extraordinary realm of Britannia, and features all new magic and combat systems. Lord British, benevolent sovereign of Britannia, has been lost on an expedition to explore the newly discovered underworld. Blackthorn has assumed the throne and imposed martial law to keep peace, but he is soon seduced by power and becomes a tyrannical dictator. Only you, the Avatar of Legend, can save the true King and end Blackthorn's reign of terror. Full-length music soundtrack. \$59.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Ultima VI—The False Prophet

Has many improvements over previous Amiga conversions. The player, as Avatar, must plunge into the dark recesses of the Underworld to learn why a race of Gargoyles is attacking Britannia above. Things are not always as they appear, and evil is not so easily defined. Along the way, Avatar can pick up and use practically anything, from weapons to magic runestones—even grind wheat to make bread. He can carry on complete, interactive conversations with all he meets in his quest for the truth. The storyline is like a book with dozens of final chapters. The outcome is totally dependent on decisions Avatar makes and the actions he takes. Fully hard drive installable with 1.3 ROM or higher. Requires 1MB with 420K minimum chip RAM free to support one disk drive. Each additional drive requires 30-45K additional chip RAM. May require memory upgrade kit from Commodore, sold separately. Recommended mouse and hard drive. \$69.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716; (512) 328-5490*

## Uninvited

An award-winning graphic adventure by ICOM Simulations. Spend an unusual day in a haunted mansion as you attempt to find your brother and uncover the eerie secrets of an eerie house. You don't want an invitation to this mansion! \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000*

## Universe 3

Animated role-playing adventure game. Set in the 24th century, you lead a diplomatic mission to Earth. Features a sophisticated mouse-based parser

for rapid play. Also includes digitized sound effects. \$49.95

*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423; (203) 678-7679*

## Utopia - The Creation of a Nation

From Konami and Gremlin Graphics. Can the perfect society be created? Lead your colony to a barren planet and try to cultivate a flawless society. The quality of life rating must exceed 90 percent. Choose how to spend the money—on weapons, social research, hospitals—and still keep the population happy. Ten unique alien races continually challenge the survival of the perfect society. Isometric 3-D perspective. Available April 1992. \$49.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510; (708) 215-5111 support*

## VR Slingshot

VR Slingshot is a virtual reality simulation sport for the home market. It features stereoscopic 3-D glasses, stereo sound, and a dynamic telepresence that allows players to compete inside the same virtual world over a telephone line or a direct link. VR Slingshot features play in both 3-D and 2-D modes. The 3-D format requires 60Hz 3-D glasses. Both modes require a PC analog joystick. Additional options include a single-player mode that allows a player to compete against a computer-generated opponent. \$129.00

*Ixon, Inc., 1335 N. Northlake Way, Seattle, WA 98103; (206) 282-6809*

## Vampire's Empire

Deep in the Transylvanian forest, in the depths of his underground lair, Count Dracula and his minions stir. Armed with your Magic Light, mirrors, and garlic, you must fight your way through the Vampire's Empire to battle the evil Count. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733*

## Vaxine

Fight your very own battle against the forces of biological destruction using your very own Vaxine. Eliminate the invading virus cells before they can join together to form lethal viral strings that are capable of choking the life from your key body cells. Go on the attack with your own color-coded antibodies, or use your DNA strands to strangle large clusters of alien invaders before they reach your brain and numb your senses forever. \$39.95  
*U.S. Gold, Distributed by Accolade, 5300 Stevens Creek Blvd., San Jose, CA 95129; (415) 513-8929*

## Vegas Gambler

A realistic casino gambling simulation with stunning graphics and life-like sound. Features 4 popular games: Blackjack, Video Poker, Roulette, and Slots. Accurate odds and payoffs based on a famous Las Vegas casino. \$39.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030; (408) 378-0340*

## Vektor Storm

vektor Storm makes you commander of a small space exploration fleet that accidentally falls through a black hole. On the other side, reality is turned upside down as you discover an alternative, fragmented universe where truth is false and right is wrong. Even the very laws of physics have changed. Lurking in the infinite darkness, an army of nasty alien life forms waits to destroy you and your fleet. To return to this universe, you must first meet the challenge set before you by your alien adversaries—beat them at their own game. Your four ships must fight against an arsenal of intelligent weapons on a series of battlegrids. The rules are simple, the stakes are life and death itself.vektor Storm will run on any Amiga with 512K and Kickstart 1.3 or higher. \$39.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

## Video Vegas

Exciting casino action on your computer. Try your luck on slot machines, draw poker, Blackjack or Keno. Includes Blackjack card counting. Games look and play exactly like the real versions in Las Vegas. Offers fun for the beginner and challenges the pro. \$34.95

**Baudville**, 5380 52nd St. SE, Grand Rapids, MI 49512; (616) 698-0888

## Viking Child

Introducing the Prophecy series, a trilogy of unique arcade action-style adventures. The hero Brian is featured in each volume during a separate stage of his life, starting with Brian as a child in the first release, *Viking Child*. Brian learns of his heroic destiny from the Wizard Odin, and sets out to rescue his family from the Evil God Loki. But first he must do battle with hundreds of strange villains, and defeat the eight apprentices of darkness. Sixteen challenging levels. \$49.95  
**GameTek**, 2999 N.E. 191 Street, N. Miami Beach, FL 33180; (305) 935-3995

## Vikings Fields of Conquest

A one-to-six player, 199 territory land conquest game. Beautifully detailed graphics and superb gameplay unmatched by any other Vikings style map game. Flotillas, armies, castles, catapults, and seven different troop types are available for your command in an attempt to become the sole ruler and King of England and save it from the Viking invasion. Requires 1MB RAM, and one drive. Vikings also uses the full power of the Amiga, and therefore uses 64-color Extra-Halfbrite mode. Hard drive installable. Fully compatible with AmigaDOS 2.0 as well as 1.2 and 1.3. \$59.95  
**Realism Entertainment**, 6N522 Pine St, Bensenville, IL 60106; (708) 595-7487

## Volified

Volified is the most incredible, action-packed science fiction game to date. Volified requires skill, strategy and extremely quick reflexes. It allows you to use your flying skills and put them into quick action, as you fight through 16 levels of challenging gameplay. The game is crammed with masses of enemies and hidden bonuses. Face Giant Crabs, Killer Ladybirds, Violent Insects, and the ever-changing massive Boss Alien as you pick up extra powers like lasers, power ups and time stops. Simple in concept, but incredibly addictive to play. \$39.95  
**ReadySoft, Inc.**, 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175

## Vortex by Visionary Limited

Man's misguided attempt to harness new sources of energy ripped a hole in the very fabric of space-time. Engulfing everything in its path, the resulting Vortex also acts as a gateway for antimatter aliens from another universe. Fight up to 32 enemies at once. Vibrant graphics, and smooth animation. \$39.95  
**Media Technology Limited**, 1370 Picard Drive, Ste 120, Rockville, MD 20850; (301) 926-8300

## WILD STREETS

A supercop and a black panther team together in a high risk mission. A top CIA agent has been kidnapped, find him! You know that action and fighting are inevitable. You have been trained to accomplish the most dangerous missions. In a very special police academy, you learned how to master the world's most secret and lethal techniques of martial arts. Your 357 Magnum will be with you to help you, but your hands and feet are powerful and won't run out of ammo. Dropped from the chopper, you and the panther will explore the city slums to find the prisoner. Your mission is to find him and to bring him back to a safe place, while protecting him from the attacks of riff-rafs. \$44.95  
**Titus Software Corporation**, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693

## War in Middle Earth

Fantasy role-playing war strategy, animated adventure game. Follow in the footsteps of Frodo, Aragorn, and Gandalf as they battle to get the ring to the Cracks of Doom. The Destiny of Middle Earth lies in the balance. Roam at will across the 36-screen scrolling map containing thousands of digitized locations as you control a cast of over 80 animated characters and armies. \$49.99  
**Virgin Games, Inc.**, 18061 Filch Ave., Irvine, CA 92714; (714) 833-8710

## War in the Gulf

War in the Gulf pits a crack unit of M1 tanks against the invading Iraqi forces in northern Kuwait. Utilising the same technology as Team Yankee, War in the Gulf is a game of immense tension and hectic action set against a backdrop of hundreds of burning oil wells in the oilfields near the Kuwaiti boarder. \$49.95  
**ReadySoft, Inc.**, 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175

## Wargame Construction Set

Design and play nearly limitless numbers of war games as simple or complex as you desire. Draw your map, placing roads, rivers, bridges, woods, buildings, and mines in any arrangement and scale you like. Fight four levels of combat, from man-to-man to large-scale strategic campaigns. Endow your fighting men/machines with different attributes such as unit type, weapon type and firepower, movement and strength points. Included are eight ready-to-play games. \$39.95  
**Strategic Simulations, Inc.**, Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Warlords

Warlords takes place in the fabled land of Illuria. An unconvincing peace treaty has just expired and eight strong empires now contend for power in a fight to the finish, only one can prevail. Starting from your home castle you must ruthlessly expand your territory and eliminate all other players. Requires 1MB RAM and two disk drives or a hard disk. \$50.00  
**Strategic Studies Group**, 8348 Monticello Drive, Pensacola, FL 32514; (904) 494-9373

## Wayne Gretzky Hockey

This riveting simulation is packed with all the strategy, excitement, and hard-hitting action we could squeeze into an Amiga. Actual digitized fight videos drop you right where the playing gets rough! Fully animated players, digitized stereo effects right from the rink, extensive player stats, variable speed instant replay lets you review the action in forward or reverse. \$49.95  
**Bethesda Softworks**, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300

## Wayne Gretzky Hockey Data Disk

Includes 24 NHL teams with player names and numbers, 11 different player ratings and line combinations. \$19.95  
**Bethesda Softworks**, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300

## Weird Dreams by Medalist International

Puts players into the subconscious mind of a hospital patient as he undergoes surgery. Here the player encounters giant wasps, carnivorous rose bushes, a psychopathic lawn mower, and a little girl who is not all sugar and spice. In confronting the many unusual challenges in *Weird Dreams*, the patient finds his health directly affected while he's on the operating table. Anyone claiming to have figured it all out will need more psychiatric help than the designers of the game. \$39.95  
**MicroProse Software, Inc.**, 180 Lakefront Drive, Hunt Valley, MD 21030; (410) 771-0440

## Welltris™

This game challenges the player to manipulate falling shapes, consisting of various configurations of squares, into solid rows. Pieces appear randomly, one at a time, at the top of any side and slide to the bottom; as they fall, they may be rotated and moved from wall to wall. Earn the highest possible score by forming horizontal or vertical rows with no gaps. \$34.95  
**Spectrum HoloByte**, 2490 Mariner Square Loop, Alameda, CA 94501; (510) 522-3584

## Western European Tour

Our latest and hottest scenery disk available yet! To be used with all subLOGIC flight simulation products. Detailed scenery covering southern Great Britain, northern France, and southern West Germany. The basis of our fun 'Find Red Square' promotion. \$24.95

**subLOGIC Corporation**, 713 Edgebrook Drive, Champaign, IL 61820; (800) 637-4983

## Western Front—The Liberation of Europe 1944-1945

Starting on May 17, 1944—just before D-Day—each turn represents four days of action in this grand strategic wargame. It contains the campaign game Overlord and three smaller scenarios: Breakout from Normandy; The Battle for Italy; and the Battle of the Bulge. You'll control every detail of the land and air war—all the way down to the individual infantry squads, gun tubes, and vehicles. Direct air operations that include interdiction, airlifts and strategic bombing. Pop-up windows easily allow you to review unit assets in detail. Call up vital data such as enemy controlled areas, supply levels, and unit readiness and experience. Here's your chance to play Eisenhower or Rommel—rewrite history! \$59.95  
**Strategic Simulations, Inc.**, Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901; (800) 245-4525

## Western Games

Package contains two disks and is played in the tradition of the wild, wild West. Actually six great games rolled into one rootin'-tootin' contest. One or two players can compete in a series of wacky Olympic-style contests including: arm wrestling, beer shooting, cow milking, dancing, eating, and quid spitting??? Digitized sound and great animation! \$14.95  
**DigiTek Software**, 1916 Twisting Lane, Wesley Chapel, FL 33543; (813) 973-7733

## Where In the U.S.A. Is Carmen Sandiego?

Now she's out to steal the great treasures of the United States. As you travel, you'll learn about the geography, economy, and history of all 50 states plus the District of Columbia. Package includes Fodor's USA travel guide. You'll work your way up through ten detective ranks. Also available in school edition. \$49.95  
**Broderbund Software Inc.**, 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121; (800) 521-6263

## Where in Europe is Carmen Sandiego?

Carmen strikes again! This time it's the 34 nations of Europe. To help you decipher the clues you uncover, you'll have the Rand McNally Concise Atlas of Europe, plus an on-screen fact-finder's Database and Crimestopper's notebook. \$49.95  
**Broderbund Software Inc.**, 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121; (800) 521-6263

## Where in Time is Carmen Sandiego?

This exciting detective chase game highlights leading people, events, and inventions of the past 1,500 years. Carmen takes a time machine that allows her and her cohorts to transport themselves back in time from 400 A.D. to the 1950's. As a result, the expy has greatly expanded her area of operations. Carmen dispatches her henchmen to Spain in 1492 to take Queen Isabella's jewels, and orders them to England in 1215 to snatch the Magna Carta. The player takes the part of a detective who has been assigned the task of rounding up the far-roaming renegades. Question witnesses and gather clues in 12 different countries and four different time periods. \$49.95  
**Broderbund Software Inc.**, 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121; (800) 521-6263

## Where in the World is Carmen Sandiego?

Players are introduced to world geography. Carmen and her notorious band of thieves are on a worldwide crime spree. Using your crime computer at the Acme Detective Agency, you'll gather facts before embarking on an international chase through the beautiful capitals of the world. \$49.95  
**Broderbund Software Inc.**, 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121; (800) 521-6263

## White Death

A WWII Eastern Front battle simulation with full color graphics and digitized sound. Includes very

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Miscellaneous Software

## ◆ MISCELLANEOUS SOFTWARE GENERAL ◆

### Deja Vu Licenseware

Collected from variety of authors in Europe by Deja Vu Software. Over 80 titles, most written in AMOS; royalties from each disk are paid to authors. Most titles written for PAL machines, but most also work fine in NTSC. Many excellent games, educational software, and programming utilities. \$7 per disk; catalog \$7.

*Digital Production Labs, c/o David Lazarek, 516 E. 11th St, Michigan City, IN 46360-3616; (219) 874-6380*

### Europe 1992

An interactive HyperText introduction to and overview of the European community—its members, policies, institutions, functions, trends and concerns. Includes comparisons with its main competitors. Features include 38 interactive pages, over 20 maps, over 20 charts, 12+ tables and flow charts, sophisticated cross-references, and Glossary/Index features. Comes with free European Parliament Information folder including wall charts and maps. \$30.00

*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

## ◆ AMATEUR RADIO ◆

### AMIGAttrak

AMIGAttrak is a tracking program for Earth-orbiting satellites. Quick and easy to use, the program provides the satellite's location on a world map with time, longitude, phase, beacon frequency, plus azimuth and elevation bearings when the satellite is in range. Voice readout is available and routines for scheduling, hardcopy, etc. are included. \$24.00

*NH Enterprises, 22104 66th Avenue West, Mountlake Terrace, WA 98043; (206) 774-7440*

### Amateur Radio Software Disks

Looking for that hard-to-find ham software for your Amiga? This collection of public domain and shareware amateur radio-related software includes Morse trainers, Packet terminals, WEFAX, MINMUF, SSTV, contest logs, electronic circuit designers, AmigaNOS for Packet, much more. Set of 12 disks (over 8MB) is \$29.95 including shipping. Individual disks also available. Send SASE with two stamps postage for catalog.

*Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646*

### CopyCode

Morse Code Trainer. All controls, including colors, frequency, volume, weight, character formation and transmission speed, lesson length, and hide/show text may be set using the mouse. Contains all characters on the exam and more. Practice with our 14 predefined character groups or create your own groups using a unique on-screen keyboard. Practice receiving thousands of random but repeatable character groups, words, Q-Signals, abbreviations and QSO's. Use the unique QRM mode to practice receiving through pileups. Requires any Amiga with 512k of memory and AmigaDOS 1.3 or above. \$23.00

*Sensible Software Solutions, 4951-D Clairemont Sq., Suite 262, San Diego, CA 92117; (619) 452-1938*

### Logic II

Comprehensive ham radio package. All the features of Logic Jr. plus: Radio interfacing, logs mode,

frequency and band. Control radio with full-screen memory display. Antenna rotor control. Auto duping and scoring from nearly any contest, with online multiplier display. Powerful menu-driven report writer. Design your own printouts, labels, QSL cards, or those included with Logic. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 2.0 compatible. \$79.00

*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037; (404) 242-0887*

### Logic Jr.

Comprehensive ham radio package. Logging, on-line awards tracking, QSL management. Prints log reports, awards progress reports, beam headings. QSL cards and labels. Customizable screen, auto display of DX/direction, user-defined fields, easy data retrieval, up to 20 pages of notes per QSO, superb documentation and support. DXing, nets, paper chasing, rag chewing. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$39.00

*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037; (404) 242-0887*

### Scan Version 2

A combination of hardware and software that allows any Amiga to control ICOM radio receivers supporting ICOM's CI-V port. Scan allows fully automated scanning, logging, and receiver control, providing a scanning speed of over 2,000 channels per minute. Scan displays all activity in high resolution graphics and may generate speech for hit information. Scan may also control a tape recorder for hits, selectable by channel. A version is also available to control two ICOM radios with a single interface. NTSC/PAL. Workbench 1.3 or 2.0 compatible. Requires 1MB. State if for the A1000. Single radio: \$149, dual radio: \$199, demo and manual: \$15.00.

*Future Scanning Systems, P.O. Box 654, Bartlesville, OK 74005; (918) 333-7474*

### The Code Machine

For the beginner or those who wish to improve their copy and speed. With on-screen controls you can set: pitch, character speed 1-99, character spacing (same as speed or less), character groups 1-9, numbers, alphabet, punctuation, or all. Copy Hide/Show; Keyboard Copy/Paper Copy/Arcade; Random Char/Words; Send/Stop. (Arcade is animated copy mode for the younger set.) Requires A500/1000/2000, 0.5MB, AmigaDOS 1.2/1.3/2.0. Kickstart, one drive. \$29.95

*BSM Software, 405 East Third Street, Willow Springs, MO 65793; (417) 469-2755*

## ◆ ARTIFICIAL INTELLIGENCE ◆

### NeuroPro 2.0

Advanced neural network artificial intelligence system. Uses three-layer back propagation neural network algorithm to automatically learn pattern recognition and stimulus-response relations. Up to 256 neurons/layer (768 total; 131,072 connections). Fast floating point assembly language for extremely high performance network training up to 285,000 connections/sec. Neuron layers can be interpreted as arbitrary bit arrays, 32 characters of text, or 16x16 pixel images. NPro 2.0 can learn image recognition, text translation, and arbitrary pattern recognition problems. Load/save network arrays and input/target/output patterns with simple text files or image template IFF files (templates supplied, can be used with paint programs to create 16x16 pixel pictures). Many tutorials and

sample data files, including translation of English words to Spanish phonetic text for Amiga speech generation, correct network performance with corrupted data, more. Full pushbutton '2.0 look' control panel, AREXX interface, menus w/key-board shortcuts. Requires math coprocessor (6881/882) or 68040, 2MB min. AmigaDOS 1.3/2.0 compatible. \$299.95 plus \$4 S&H. \$299.95

*MegaGem, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

### NeuroPro 2.0

All new upgraded version of NeuraPro Neural network artificial intelligence system. Uses 3-layer (up to 256 neurons per layer) back-propagation neural network algorithm to automatically learn pattern recognition and stimulus-response relations. Up to 768 neurons, 128,000 interconnections, and variable learning rate. Optimized assembly language specifically written for math coprocessor to achieve training rates of 50,000 (Amiga 3000 68882) to 285,000 (68040) connections per second. Attractive pushbutton type user interface with menus and keyboard shortcuts and AREXX. Data types supported now include 8x8 and 16x16 pixel graphics (using IFF template files), up to 32 characters of text and arbitrary bit arrays up to 256 elements. Load/save network arrays, input patterns, output patterns (examples on disk). Tutorial included with examples on disk for learning text to speech conversion and graphic object recognition. Complete on-screen color displays of network learning and operations. AmigaDOS 1.2-3.0 compatible. \$5 shipping in North America, \$8.00 abroad. \$89.95

*MegaGem, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

## ◆ AUTHORING SYSTEMS ◆

### AmigaVision Professional

An interactive icon-based authoring system for the Amiga family of computers. This newest version builds and expands on visual programming environment of earlier versions. New features include support for CDTV player, including playback of CD-ROM based CD-XL motion video files, ability to display Advanced Graphics Architecture based screens, speed and memory improvements, and enhancements to authoring environment. Also includes freely distributable runtime module. \$399.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### CASA™

CASA is a case tool that generates fully commented C code from a Viva II icon file. You can then compile and run the file. Library source code available. Requires 1MB. \$99.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### CanDo Pro Pak 1 v2.0

The first companion product to CanDo, Pro Pak 1 contains some amazing examples of CanDo-generated programs, called 'decks,'-including freely redistributable IFF resources-along with insights on how they were created. Also included are utilities and extensions to CanDo itself, for making the applications authoring system more powerful than ever. \$39.95

*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### CanDo Test Drive

Take CanDo for a spin—for just \$10! CanDo Test Drive is fully working version of an earlier version

# Miscellaneous Software

of CanDo. Though you don't get the full functionality of CanDo 2.0, you can still build your own event-driven graphical programs using many of the same features that make CanDo the easiest, most powerful Amiga authoring environment around. If you decide to buy CanDo, you get \$10 off when you order.

*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

## CanDo v2.0

CanDo, the most powerful interactive audio-visual applications authoring system available, allows any Amiga user to create standalone software applications that take advantage of virtually all of the Amiga's outstanding capabilities. AmigaDOS 2.0/A3000 compatible. New features in version 2.0: New manual, Script bookmarking, DOS notify, 68040 support, better brush and audio support, foreign language support. \$199.95

*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

## CyberScape

Interactive music and video performances. Virtual reality constructions and hypermedia presentations. Interactive video games. Event triggering timed sequences. Graphics: supports four resolutions and overscan, cell animation, color transitions, and loads IFF pictures and brushes. Sound: outputs MIDI events, plays IFF sampled sound, plays synthesized speech. Supports AREXX messages, serial and parallel outputs. NTSC only. Requires Workbench 1.3 or later. \$245.00

*Tensor Productions, 819 Guynne Avenue, Santa Barbara, CA 93111; (805) 683-2165*

## Foundation 3.0

Powerful, flexible application development environment. Includes Foundation System, Bottom Line and MultiMedia Factory applications, hypertext linked help system, appointment calendar, databases, more. Has macro record/playback, Professional Stack Maker, full AREXX support, and support for CDTV/A570 CD drives and CDTV remote control. AmigaDOS 2.0 compatible. \$100.00

*Parallax Publishing, 471 Lighthouse Ave, Pacific Grove, CA 93950; (408) 646-1032*

## Interactor

An animation design system which combines the power of hypermedia with the excitement of desktop video to let you create interactive visual databases for free-association browsing, information retrieval, and education. Interactor turns your Amiga into a hypertextual desktop presentation environment which integrates graphics, sounds, and a text into an interactive, randomly-accessible hierarchy of information of your own design. Furthermore, Interactor is fast and easy to use with an innovative, intuitive interface built for productivity. \$149.00

*Vivid Group, The, 317 Adelaide St., West Suite 302, Toronto, Ontario, Canada M5V 1P9; (416) 340-9290*

## Twenty/Twenty Vision

Twenty/Twenty Vision is a step-by-step tutorial that makes it easy to learn the process of creating presentations and applications using AmigaVision. This package gives you all that is needed to build five useful applications. As you work through the progressively detailed tutorials, you will become familiar with many of the terms, icons, and procedures needed to use this effective multi-media tool. Starting with a simple presentation Slide Show and working up to a Database application, you will limit yourself only by your imagination as you decide what to create next. Requires AmigaVision. \$49.95

*The BCS Group, Distributed by Vertical, Inc., 1411 LeMay #406, Carrollton, TX 75007; (214) 466-0048*

## VIVA (Visual Interfaced Video Authoring)

A hypermedia authoring environment for the Amiga user. VIVA lets you create, manage, and display information. Control text, graphics, video, color, and animation. Also controls video recorders, laser videodisk players, and a full range of visual media devices. Use as stand-alone interactive environment or an information-dispensing system. Icon-driven program is very easy to use. It combines a graphical user interface, easy editing, graphics libraries, custom fonts, a speech module, and many more features. With the visual construction set represented by icons, anyone can create a personalized application at the click of a mouse. \$59.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## VIVA II

An object-oriented, multimedia, application development environment. Interactive presentations, instructional applications, games, or media databases are created easily by selecting icons representing the routine desired. \$199.95

*Knowledge Media, 436 Nunneley, Paradise, CA 95969; (916) 872-3826*

## ◆ CALENDARS ◆

### GIRLS: Impressions of the Riviera

Pin-up calendar on disk. Sixteen tastefully rendered pin-ups, plus clock/memory reminder, and five macro keys. \$24.95

*Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110; (201) 661-0408*

## SIGH-light®

Your productivity can spring ahead if you are using SIGH-light as your fallback tool. SIGH-light takes care of standard time/daylight savings time changes. It's simple; set up and forget it. SIGH-light 'knows' the correct date and time to 'spring ahead' or 'fall back.' Includes manual, utility script, setup program, and SIGH-light. For all Amigas. NTSC. North American time zones. Requires 0.5MB. AmigaDOS 2.0 compatible. \$15.00

*Software Industry & General Hardware (SIGH), 677 B Main St, Ramona, CA 92065; (619) 788-0447*

## ◆ COOKING ◆

### Celebrity Cookbook With Expandable Recipe Filer Version 3.1

The cookbook contains two modules. The first loads and displays celebrity recipes, diets, wines, party tips, personality guest traits, and also contains a bar and wine guide. The second module is a smart database word processing package for entering and retrieving recipes or files typed by the user. All recipes resize from one to 999 servings supporting both American and metric measures. All recipes print to Amiga compatible printers. Version 3.1 is for 1MB or greater systems, but also contains version 2.0 for the 512K systems. It also includes 100 celebrity and catering style recipes. The v3.1 program combines both a smart database and word processing package in a single program module. Recipes may be viewed in 40 or 80 columns, resized from one to 999 servings, and converted from American to metric and metric to American measures. The word processor/database holds up to 12 full pages of text at one time and features full wordwrap, margin settings, cut and paste,, and search and replace. The cookbook contains 16 individual food categories and six wine guides, supports American and metric measures, pricing, and provides for full disk search of ingredients or recipe text contents. All recipes will print the entire recipe or just ingredients. Also supports resizing of multiple recipe files. Available for All

Amiga systems. Also supports DOS 2.0. Requires

1MB. \$39.99

*USA Media, 7810 Malcolm Road, Clinton, MD 20735; (301) 868-9060*

## Desserts Cookbook

You'll enjoy over 150 tantalizing mouth-watering desserts including an extensive assortment of types from puddings to elegant cakes, from frozen sorbets to fancy cookies. Available in two versions—Home (Standard): directions and unit amounts edited for home cooking; and Quantity: edited for institutional style cooking with a yield of 50 servings. \$14.95

*Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509; (714) 683-5666*

## Recipe-Fax 2.0

A complete recipe creation/editing environment. Including allowance for individual editing and/or rearrangement for ingredients and amounts, and for procedures. But that's only the beginning. Recipe-Fax has a powerful recipe list processor to facilitate serving size adjustments, Metric/US unit conversion, shopping list creation and more. Recipes can be printed using a choice of forms. AmigaDOS 2.0 compatible. \$44.95

*Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509; (714) 683-5666*

## Recipe-FaxNFX

A special, nutritionally enhanced version of Recipe-Fax 2.0, integrating Nutri-Fax's nutritional analysis into Recipe-Fax's easy-to-use recipe creation/editing and processing environment. Adds nutritional analysis of recipes and a user expandable, integrated ingredient database utilizing food items from USDA Handbook 8. Requires 1MB, AmigaDOS 2.0 compatible. \$74.95

*Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509; (714) 683-5666*

### The Great Recipes of Italy with Expandable Recipe Filer

The cookbook comes with 160 Italian recipes. The program combines both a smart database and word processing package in a single program module. Recipes may be viewed in 40 or 80 columns, resized from one to 999 servings, and converted from American to metric or metric to American measures. The word processor/database holds up to 12 full pages of text at one time and features full wordwrap, margin settings, cut and paste, and search and replace. The cookbook contains 16 individual food categories and six wine guides, supports American and metric measures, pricing, and provides for full disk search of ingredients or recipe text contents. All recipes will print the entire recipe or just ingredients. Also supports resizing of multiple recipe files. Available for all Amiga systems. Requires 1MB. Also supports DOS 2.0. \$39.95

*USA Media, 7810 Malcolm Road, Clinton, MD 20735; (301) 868-9060*

## Variety Cookbook

Over 150 scrumptious, tasty recipes from several food categories encompassing beverages, breads, breakfast, desserts, entrees, salads, sandwiches, sauces, soups, vegetables, and miscellaneous. Available in two versions—Home (Standard): Directions and unit amounts edited for home cooking; and Quantity: Edited for institutional style cooking with a yield of 50 servings. \$14.95

*Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509; (714) 683-5666*

## ◆ DISK CATALOGS ◆

### 80 Track Public Domain Catalog Disk

We have over 2200 disks from all over the world, over 12,000 programs to choose from. We also have a large collection of European disks with demos. Our disks are \$4.00 each. Call for volume

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index: by Product            |
| Product Index: by Vendor             |
| Category Index                       |
| Last Minute Additions                |

# Miscellaneous Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

pricing and our new subscription pricing. \$4.00  
*80 Truck Software, P.O. Box 309, Oceanside, NY 11572; (516) 678-9631*

## CATFISH: Fred Fish Disk Library Cross-Reference

A complete cross-referenced catalog of the entire Fred Fish Public Domain Library in a user-friendly (mouse-only) disk format. Contains three major sections giving file names and disk numbers information: 1) all files cross-referenced by a subject catalog with over 130 subject entries in a two-level format, 2) all files ordered alphabetically with most recent versions listed first, and 3) all disk CONTENTS files included. WB 2.0 only files uniquely identified. Currently contains over 610 disks and 3,000 files. Updated for each new block of 50 disks. No additional files are required for use. Compatible with all Amiga machines, WB 1.2, 2.0, and NTSC/PAL formats. \$10.00

*ASCITEC, Amiga Science and Tech Users' Group, P.O. Box 201, Los Altos, CA 94023-0201; (415) 960-9399*

## MAGDEX

A memory based index of eleven Amiga specific magazines. Over 4300 entries including author, title, category, type, and comments. Rapid search, including wild carding. \$10.00

*Selectronics Inc., 5147 S. 37th Street, Lincoln, NE 68516; (402) 423-3856*

## MegaDisc Catalogue on Disk

Full catalog on disk lists thousands of public domain disks and other products available from MegaDisc. Free.

*MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065; (011) 612-959-3692*

## PUBDEX

A memory-based index of more than 3700 Amiga Public Domain Programs, including the first 200 Fred Fish Disks. Each entry contains name, author, size, version, category, source, and comments. \$10.00

*Selectronics Inc., 5147 S. 37th Street, Lincoln, NE 68516; (402) 423-3856*

## Public Domain & Shareware Collections

Public Domain and Shareware collected by category and grouped by specific areas of interest. Disks packaged with complete Workbench and CLI access for ease of use by both novice and expert users. Each disk contains complete author's documentation. Call for instant AMIGA-HELP at (415) 593-1207. Single disk \$6, five or more disks \$5.

*Premier Software, P.O. Box 3782, Redwood City, CA 94064; (415) 593-1207*

## Amiga Hoy Internacional

(Translated Amiga Today International) is a monthly magazine in Spanish produced in Costa Rica and distributed in Latin America and Spain. Each month you can find the latest news, reviews, tutorials, and information about the Amiga and the CDTV. Bienvenido! Apartado 4759-1000, San Jose, Costa Rica. International subscription: \$40.00 (first class air mail shipping). Sample issue: \$5.00 (includes shipping). \$40.00

*Amiga Hoy Internacional, Interlink 143, P.O. Box 526770, Miami, FL 33152; (506) 25-5870*

## ◆ DISK MAGAZINES ◆

### Electric Thesaurus

The Electric Thesaurus utilizes Roget's II Electronic Thesaurus database and search engine. It contains over 500,000 synonyms, and offers concise definitions for each meaning of a queried word. Each definition includes its part of speech and a list of accurate synonyms in their properly inflected forms. AREXX port with over 15 commands along with the ability to send scripts to other programs, plus

Clipboard Device support provides Thesaurus functionality to programs that do not have a Thesaurus. Works with both Workbench 1.3 and 2.0, requires at least 512K and one disk drive. Use of a hard disk is strongly recommended. \$49.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076; (800) 247-8330*

### Graphics Palette Disk Magazine

A three-disk set, produced bi-monthly. Each issue is packed with the latest software/hardware reviews, hints and tips, animated tutorials, DTV-related articles, helpful utilities, and is designed to be as informative, entertaining, and user-friendly as possible, supplying a wealth of information to the beginner, as well as the hardened Amiga desktop-video user. Rate: 12 month subscription \$130. U.S.

*Nodette Enterprises Pty., Ltd., P.O. Box 584, Box Hill, Vic 3128, Australia; (613) 808-7036*

### JJC Training Package

Subscribers receive a 12-disk set full of information on the Amiga. Course is beneficial to new users who are using the Amiga to teach themselves about computers in general, students in Computer Studies, those who are frightened of computers, and people who only play games on the Amiga, but want to use it constructively. Course covers basics, software, hardware, design, and hints & tips. Regular features: glossary of computer terms, questions & answers, hardware design, software training, AmigaDOS operation, communication systems, and animations. Requires A500/A1000/A2000/A3000, AmigaDOS 1.2,1.3 (most of 2.0). Free personal Question & Answer service for subscribers, nominal fee for digitizing service. We now write BeSpoke applications for large companies. \$100 for full course. £50.00 annual, £5.00 one month. \$100.00

*JJC, P.O. Box 19, High Wycombe, Bucks HP11 1UF, England; 011-44-494-883-347*

### Jumpdisk

A monthly disk-based magazine for the Amiga. Rates are 12 mos. \$66.00; 6 mos. \$37.00; 3 mos. \$20.00; single issue, \$9.00. \$9.00

*Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926; (916) 343-7658*

### MegaDisc Info Resource

An information resource on disk, designed to help users become more productive with their Amigas. Contains tutorials, articles, reviews, programs, hints, advice, and much more. Released every two months; subscriptions available. Australian \$79 for six issues; includes four public domain disks.

*MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065; (011) 612-959-3692*

## ◆ FORTUNE TELLING ◆

### Astrology

A sophisticated program with beautiful hi-res graphics, delivering serious insight to natal chart preparation and interpretation. Birth date, time, and location can be used to produce colorful natal charts showing precise planetary locations within the houses, signs, and major aspects of the astrological system in less than two seconds. The natal graphical image can be printed utilizing any paint program supporting 16-color hi-res or black and white. Also includes interpretation on two disks. \$39.95

*Mystic Software, 706 Richards Drive, Mountain Grove, MO 65711; (417) 926-3266*

### Rune Sight v 1.0

Rune Sight is a traditional oracle system based on the ancient runic alphabet, considered magic by the Viking people. The word rune is derived from the Gothic runa; meaning mystery. As you cast the rune stones, Rune Sight is sensitive to the moment you choose, and five stones are then selected—

each representing a station of importance to the querant. A complete interpretation is provided for the meaning of every rune in each station. The interpretation may be displayed or printed. Through the interpretation, Rune Sight provides insight into oracle systems, the conscious, and the subconscious mind. NTSC only. \$29.95

*BRESC Software, P.O. Box 9873, Springfield, MO 65802-9873; (417) 831-4005*

### The Tarot Master

The Tarot Master is the first animated fortune-telling program for the Amiga. Users may receive three- or 10-card readings for any question they choose to ask of the mystic Tarot. The Tarot Master also instructs users in becoming Tarot readers. Three- and ten-card spread readings as well as all 78 card definitions are taught to those who wish to see the future. The Tarot comes to life with exciting animation sequences for all 22 Major Arcana cards. Each animation is designed to impart the meaning of each card into the user's memory. \$24.95

*Empire Graphics, P.O. Box 964, Union, NJ 07083; (908) 964-7864*

## ◆ GAMBLING ◆

### Professional Lottery Systems

Keeps track of lottery numbers in all states, figures frequency distribution on all numbers, and lets you wheel numbers. \$34.95

*Slipped Disk, 170 West Twelve Mile Road, Madison Heights, MI 48071; (313) 546-3475*

### X-Lotto Professional 2.2

(For Australian users.) Calculates results for all previous and current numbers. Specialties are checking row and line status with all previous numbers, graphing all previous numbers, sorting, storing, creating your own formulas for checking numbers. Results and graphs may then be relayed to your printer. Requires A500/A1000/A2000 or A3000 CPU. \$14.95 Australian.

*Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia; 011-61-8-272-2302*

## ◆ GENEALOGY ◆

### GENP MultiMedia

GENP MultiMedia seamlessly integrates with GENP v1.5. It allows you to have multimedia for anyone in your genealogical databases to a maximum of 10 items per individual. The Selection window allows the user the freedom to choose what he or she is going to display or hear. Show pictures, play sounds, print or display or edit word processor files. GENP MultiMedia comes with an example genealogical database demonstrating pictures, sound, and text. \$30.00

*GENP, 37 Charles St., Cheltenham, Victoria, Australia 3192; (011) 613-584-2765*

### GENP version 1.5

Genealogical software for individuals, medical researchers, society, or schools. Standard descendant, pedigree, and family charts. Multitasks with your word processor for any length text. Multiple databases each with 64K people. Customize screens to another language. Pictures. Hotkeys. Multiple users. Supports non-English screens, system messages, help screens, and data dictionary. Multimedia via AREXX. Similarity and Regular Expression search. System requires 1MB, and two drives. NTSC/PAL compatible. AmigaDOS 2.0 compatible. \$99.95

*GENP, 37 Charles St., Cheltenham, Victoria, Australia 3192; (011) 613-584-2765*

### Norgen- Import Utility

A utility to convert 'Your Family Tree' (version 1 copyright 1988 and version 2 copyright 1990 by MicroMasters Inc.) files to Norgen version 2 files. Requires version 2 of Norgen. Furnished at no charge on request.

# Miscellaneous Software

Norris Software, 3208 West Lake St. Suite #65,  
Minneapolis, MN 55416; (612) 470-4307

**Norgen—Version 2 of the Genealogy Database**  
Designed for the home enthusiast and the professional, Norgen has unique features of expandable data fields and no logical limit to the number of Subjects, Siblings, Spouses, Children and Notes. Contains all standard reports plus index to all names, validation utilities. All reports can go to the screen, print or text file. Version 2 has added 13 user-defined fields (potential LDS compatibility), 30-generation Descendants charts, ability to search on any combination of fields, family group reports, IFF linkage, custom reports, automatic generation of child records from parent, and macros. Supports PAL monitors, foreign Keymaps. 1MB RAM required. AmigaDOS 2.0 compatible. Plus \$5.00 shipping in U.S. \$49.95

Norris Software, 3208 West Lake St. Suite #65,  
Minneapolis, MN 55416; (612) 470-4307

## Origins

Database keeps track of genealogical information for over 6 million individuals. Very powerful, but easy to use. Correctly handles difficult situations such as multiple marriages, step-children, and unmarried parents. Lists Persons, Marriages, Parent/Child Index, Soundex. Generates reports on Persons, Family Group sheets, Pedigree Chart, Descendants Charts, Tiny-Tafel. ARexx functions, IFF file support, much more. Requires AmigaDOS 1.3 or later, at least 1MB, and two floppy drives. Not LDS compatible. \$85.00

Puzzle Factory, The, P.O. Box 986, Veneta, OR  
97487; (503) 935-3709

## Your Family Tree 2.2

Your Family Tree, developed on the Amiga for the Amiga, makes organizing your family history easy. Enter data only once; no tedious retying of information. Features include: 30+ reports including pedigree charts, descendant charts, family groups, and lists; multiple databases, each containing up to 16 million individuals; note files can be created using any editor; supports IFF pictures; flexible multi-condition search; phonetic name-matching; many user-definable options. Illustrated manual includes index and tutorial. Designed for NTSC, can be used with PAL. Supports all Amiga keymaps, international characters. Requires 1MB, one floppy disk drive. Workbench 2.0 compatible. \$79.95

MVP Software, PO Box 458, Aliquippa, PA  
15001; (412) 378-0411

## Your Family Tree Companion

A collection of utilities to increase the power and versatility of Your Family Tree. Import, export, and merge data between YFT and other genealogy programs using the GEDCOM format. Generate Tiny-Tafel listings. YFT Companion includes many newly designed reports as well as expanded versions of existing reports. Perform statistical analysis of data. Determine relationships between individuals. Generate Soundex codes. YFT Companion includes enhanced data validation and improved on-screen report display. Designed for NTSC, can be used with PAL. Supports all Amiga keymaps, international characters. Requires 1MB, one floppy disk drive, YFT 2.0 or later. Workbench 2.0 compatible. Available 1st quarter 1993.

MVP Software, PO Box 458, Aliquippa, PA  
15001; (412) 378-0411

## ◆ HOME SECURITY ◆

### AMI-X10

Works with X10 (U.S.A.) Inc.'s X10 Powerhouse Computer Interface for X10 based control of house lights and electrical appliances. Accesses all 256 switch codes for timed or immediate commands. Stores and retrieves an unlimited number of event

schedules. The X10 interface works on a weekly cycle so that individual days can be timed differently. Ami-X10 provides automatic updating of sunrise and sunset events. NTSC/PAL. Requires V1.3 or older. Price: \$59.50. \$124.30 with CP290 hardware. \$59.50

Digital Dynamics, 739 Navy Street, Santa  
Monica, CA 90405; (310) 396-9771

### PowerMaster

Software and hardware interface to add remote control to appliances and lights controlled by the X-10 system over regular house wiring. Lights can be semi-randomly turned on, off, or even dimmed. Control up to 256 items with over 128 times. ARexx interface for complete control. \$31.00, \$79.00 with interface.

Complications, 1727 Parkview, Redlands, CA  
92374; (714) 794-5311

## ◆ HANDICAP SUPPORT ◆

### KeyWhiz

KeyWhiz provides an image of the keyboard on your Amiga screen and accepts input from a joystick or custom input device that is connected to the second gameboard. Its purpose is to provide an alternate means of inputting keyboard data for individuals who have difficulty using a normal keyboard. Also useful for kiosk developers. Joystick not included. \$40.00

Integral Systems, P.O. Box 31626, Dayton, OH  
45431; (513) 237-8290

### fingerTalk

Helps you learn to communicate with hearing-impaired persons. Interactive program teaches fingerspelling hand signs for all 26 letters of the alphabet and numbers 0-9. Some of hand and finger positions look somewhat like the letters they represent. Includes short quotes, sentences using all letters of alphabet, nursery rhymes, fingerspelling reading and signing tips, and games to practice with partner or group. Requires AmigaDOS 1.3 or later. \$35.00

Puzzle Factory, The, P.O. Box 986, Veneta, OR  
97487; (503) 935-3709

## ◆ NETWORKING ◆

### ENLAN Network System

ENLAN is a Phase-IV end-node implementation of Digital Network Architecture (DECnet). It offers the ability to change files and data with DEC VAX/VMS computers, other Amiga computers and machines running the DECnet protocol. ENLAN features a suite of file transfer utilities, allowing remote file copies, directory listings, and file deletions. It also includes a File Access Listener which provides remote access to files residing on the Amiga. \$295.00

Interworks, 195 E. Main Street Suite 230,  
Milford, MA 01757; (800) 321-3893

### ENLAN-DFS

Distributed file system. An Ethernet-based, peer-to-peer LAN solution for the Amiga. Provides the software needed to interconnect your workgroup of Amiga systems, whether it's two, twelve, or more. Saves money and increases productivity by letting you share disk space and expensive peripherals. You can assign passwords and/or allow read only access to protect system files and applications. Designed to be transparent to all Amiga application software. \$349.00 per workgroup; each license pack allows up to 5 nodes per workgroup. \$349.00

Interworks, 195 E. Main Street Suite 230,  
Milford, MA 01757; (800) 321-3893

### Keyboard-Mouse-Link 1.0

Keyboard-Mouse-Link is currently being used by TV stations and networks who have an Amiga that they wish to operate from one or more locations within entire station. Keyboard-Mouse-Link pro-

gram pair turns one to four Amigas into mouse and keyboard of a main Amiga. Serial connections are made from built-in serial ports of each remote Amiga to serial port(s) of main Amiga. Completely fluid mouse, hotkeys, system keys; transparent operation with most Amiga hardware/software. Allows any remote site to lock out other remote sites, and then open network back. Uses standard serial device driver(s); works at 4800, 9600, or MIDI baud rates. Demo version \$7. \$100.00

Geodesic Designs, P. O. Box 956068, Duluth, GA  
30136; (404) 822-0566

### TorqueWare™ for the Amiga

Development system for creating programs that run in parallel on networked computers (Amiga, SGI/MIPS, SPARC, etc.). Harnesses power of each participating computer to solve your problem in less time (e.g. if integrated with rendering code, can accelerate rendering). Non-Amiga products from Torque Systems, Inc. allow cross-system development and execution. Implements the Linda distributed programming model, where portable C calls are preprocessed to calls to link libraries. Development system (preprocessor, stand-alone local client/server link libraries, local and network support tools): \$100. Network client/server link libraries: \$200 per Amiga CPU. Server distribution requires a license.

AugMenTek, 3606 S. 180th St. #C-22, Seatac, WA  
98188; (206) 246-6077

### X Window System for the Amiga

XWindow System Release 4 for the native AmigaDOS. Resolutions to 2048 x 2048 color supported. TWM & OLWM (open look) user interface. Network support: TCP/IP (AS225), DECnet (TSSnet), ethernet, arcnet, serial DDCMP and slip. Works with VAX's, Suns, Apollos, IBMs, Sonys, etc. Coexists with native workbench, Intuition-user interface. Requires 1MB RAM (minimum), one floppy drive. \$395.00

Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035;  
(408) 262-1469

## ◆ RELIGION ◆

### Bible Files On Disk

Genesis through Revelation, nine disks. ASCII text files to be used with text editors or word processors. Word searching dependent on text editor or word processor's capability. Not copy protected—may be installed on hard drive. King James only. \$29.95

John 1:1 Graphics, P. O. Box 316, Bellflower, CA  
90707-0316

### Bible Search

Bible Search is a fully-compressed and indexed Bible Concordance program, providing quick and easy retrieval of any word or verse in the entire Bible. It uses state-of-the-art data compression to fit entire text of the Bible onto two disks, and the Exhaustive English Concordance onto only one disk. 1MB RAM with hard disk recommended or two floppy drives. Bible Search includes automatic spell checking of every word used in the Bible, movable and sizable windows, pull down menus, output of Bible text to disk, printer or Amiga speech synthesizer, and more. Word Search options include exact phrase, single or multiple words using AND, OR and NOT Boolean logic, plus wildcard. Full scrolling of text. Authorized King James or New International Version available. AmigaDOS 1.2-2.0. \$70.00

SOGWAP Software, 115 Belmont Road, Decatur,  
IN 46733; (219) 724-3900

### BibleReaderPro!

Replaces BibleReader! Features many capabilities of BibleScholar but no hard drive needed. Has dual bindable windows, built-in word processor, instant access to any book, chapter, and verse, large

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Miscellaneous Software

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

list of topical references, 800,000 character concordance, and Amiga speech. Requires 2MB and two floppy drives or hard drive. AmigaDOS 1.3/2.0 compatible. KJV, NIV, NAS, NKJV \$89.95 each, \$5 for Demo. \$89.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803; (205) 881-6297*

## BibleScholar! v2.0

Now offers choice of PAL 640 x 256, 640 x 525, or upgrade to NTSC 640 x 400. Concordance and Context Search let you instantly locate 99% of all words/combo of words contained in the Bible. Mark any block of Bible text and port to a file, to your ARexx-compatible word processor, or to BibleScholar's built-in word processing features. Bound or independent windows allow you to compare verses from different parts of the Bible, or from different translations. Strong's number allows you to reference Hebrew or Greek transliteration and definition. Work Pad lets you combine and expand library of topical references, prepare study lessons, and record studies without leaving program. Margin note capability, Smart Maps and related verses, choice of translations. Requires 2MB, floppy and hard disk. Amiga 1.3/2.0 compatible. \$149.95 including KJV. Demo Disk:\$5; NIV, NAS, NKJV: \$89.95 each; Greek or Hebrew translit/lexicon: \$74.95 each. Requires hard drive. \$149.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803; (205) 881-6297*

## RL-901 In the Beginning

Elementary level. The Biblical story of the creation of the world. From Chapter I of the book of Genesis. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RL-902 Adam and Eve

Elementary level. The Biblical story of the fall of Adam and Eve. From Chapters II and III of Genesis. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RL-904 Abraham, Friend of God

Elementary levels. The story of Abraham's trust, and God's promise. From Genesis, Chapter XII. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RL-932 The First Christmas

Elementary level. The New Testament story of the birth of Jesus in Bethlehem. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RL-938 The Story of the Good Samaritan

Elementary level. The parable that showed the importance of treating others as we would want to be treated ourselves. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RL-993 In The Promised Land

Five disks. High school to adult. Stories of the Chosen People and their conquest and settlement of the Promised Land. Stories include events from lives of Joshua, Samuel, and David. NTSC only. \$89.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## RL-995 The Bible on Disk

These document disks contain the text of the King James Version. They can be accessed by any Amiga-compatible word processing program. NTSC only. \$99.00

*MicroEd, P. O. Box 24750, Edina, MN 55424; (612) 929-2242*

## T-N-T (The New Testament) Version 1.1

New features include online help and better searching capabilities. Original features: the ability to locate any word or phrase within seconds, easy-to-use interface, print or save to disk any part of the New Testament, Bookmark feature to quickly move selected verses. Easily installed on a hard drive, not copy protected. Fast text-scrolling and multitasking friendly. Complex searching functions. Uses the King James version of the New Testament. AmigaDOS 1.3 or later. \$39.95  
*Shocking Software, 3535 N. Nevada, Chandler, AZ 85225; (602) 892-0460*

## The Context Bible Concordance

New International Version. Contains entire text of Bible with every occurrence of every word indexed. Can output to printer or file in four reference formats, with or without text and/or translators' notes. Sample search times: 'Jesus' and 'Christ'—less than 1 second in 237 verses; 'the'—under 5 seconds for 51,812 occurrences in 22,403 verses; ('faith' or 'trust' or 'praise') and 'your God' or 'honor' not 'angels'—160 verses in under 19 seconds. Outputs to window with scroll bar and arrows. 800 number for Tech Support. NTSC/PAL, all Amiga keymaps. Requires 512K RAM, less than 3 MB used if on hard drive. \$50, free demo disk, videotape. AmigaDOS 1.2-3.0 compatible. 2-year warranty. Mark Sims, 10 Holland Rd., Hamilton, New Zealand (64-07-8558-207) dist. for Australia and New Zealand. Unlimited 800 number Tech Support.

*Neuralink, P.O. Box 16311, Lubbock, TX 79490; (800) 657-8822*

## The Context Bible Hypertext

New International or King James Version. Add virtually unlimited notes and instant-jump cross-references after any verse (show or hide in multiple levels of outline). Work in up to eight windows. Underline, italicize, bold, color, and link any text in Bible, notes, commentaries (several included), sermons, diagrams, outlines, and your topic file. Search for words or phrases. Import, export, and print. Can import Concordance files. NTSC/PAL, all Amiga keymaps and fonts. Requires 1MB RAM, 13 MB hard drive recommended, ARexx. \$100 including Thinker. Free demo disk, videotape. AmigaDOS 1.2-3.0 compatible. 2-year warranty. Mark Sims, 10 Holland Rd., Hamilton, New Zealand (64-07-8558-207) dist. for Australia and New Zealand. Unlimited 800 number Tech Support.

*Neuralink, P.O. Box 16311, Lubbock, TX 79490; (800) 657-8822*

## ◆ STATISTICAL ANALYSIS ◆

### Biometrics

Edited and expanded material from Sokal and Rohlf's Biometry. Descriptive statistics include stem-and-leaf displays, boxplots, and coded tables. Also includes standard techniques such as histograms, simple data entry, and test analysis. Detailed coverage of statistical distributions, statistical inference, and hypothesis testing—parametric and non-parametric. Also includes a set of programs for the analysis of variance of experiments. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918*

### Cluster Analysis

A collection of all the major cluster analysis algorithms. Data-entry programs allow data entry and transfer to and from popular spreadsheets, scaling of metric data. Cluster analysis programs include procedures based on arbitrary clustering criteria, sum-of-squares of distance criteria, Hmeans and Kmeans, criteria involving invariants, Wmeans, the multiple-location allocation problem, and miscellaneous features like the bond energy criterion technique. Programs provide results for plotting dendrograms. \$145.00

*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918*

## Decision Analysis Techniques

Decision theory involving incomplete or conflicting information. Covers the major reaches of decision theory; assurance of samples and experiments, use of modeling and simulation, goal and mathematical programming, decisions under uncertainty and risk, decision tables and trees, and more. \$145.00

*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918*

## Econometrics

Covers most of the material in Johnson's Econometric methods. Topics include statistical distribution and inference, multilinear regression, including weight regression models, ridge regression, splines, legit analysis; models using simultaneous equations, models based on time series, autocorrelation, seasonal models, lagged variables, the Cochran-Orcutt correction for autocorrelation, and more. Includes full set of transfer programs. \$145.00

*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918*

## Experimental Statistics

Covers distributions and sampling, statistical inference, regression analysis, experiment design, and variance analysis. Describes background and usage of statistics, with examples. Program instructions detail the 60 programs included in the package. Specific topics include sampling distributions, application of the Central Limit Theorem, inverse and non-central distributions, statistical inference and hypothesis testing, regression analysis, profit analysis, and more. \$145.00

*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918*

## Exploratory Data Analysis (EDA)

EDA techniques are primarily graphical. It is useful to calculate things, but it is essential to have a good look at the data before deciding whether or not to enter into heavy-duty numerical analysis. The title Descriptive Statistics is graphics-oriented and makes use of the new EDA techniques. You are able to examine your data with letter-value displays, stem-and-leaf displays, and boxplots. When fitting data to a line you will be able to run a resistant line through the data points as well as carry out regression calculations. Analysis of variance is complemented by median polish and the preparation of coded tables. The distribution of data points can be checked by drawing rootograms. The program set includes crosstabulations, distributions, regression, sensitivity analysis, and more. \$145.00

*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918*

## Forecasting and Time Series

Covers the general methods of analysis of time-series and the forecasting techniques based on those methods. All types of time-series considered, those with trends, seasonableness, and periodicity, autoregression, etc. Time-series used include stock prices and a utilities index to population series. Provides elaborate data entry and transfer facilities. Time-series analysis covers the study of periodicity, correlation, and cross-relation, autoregression, Fast Fourier Transforms, and more. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918*

## Linear and Non-Linear Programming

Programs based on the SIMPLEX algorithm and the Monte Carlo technique. Implements general purpose and non-linear programming programs using a Monte Carlo technique. Special problems handled include distribution and transportation, assignment, and travelling salesman problems. \$145.00

# Miscellaneous Software

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918

## Matrix Operations

Performs simple operations like matrix routines, addition, multiplication, transposition, and inversion. More complex routines find the given values of symmetric and non-symmetric matrices, and Cholesky decomposition of matrices. Provides solution of sets of similar equations. Also provides data transfer programs for easily moving files to and from spreadsheets. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918

## Multivariate Analysis

Covers the major topics of multivariate analysis for those who have received formal training in that discipline. Manual and programs cover the major topics of the discipline, including multi-linear regression, correction analysis, factor analysis, discriminant analysis, canonical component analysis, and residual analysis. Multiple population topics include MANOVA with and without a co-variate. Includes full cross-tabulation program, and profit analysis programs. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918

## Optimization/Simulation/Risk

Covers major topics in optimization: optimization by sampling and inference, optimization by experiment, including the use of response-surface experiments and orthogonal arrays; optimization by mathematical programming, and more. Special topics study queues and simulated queuing systems, inventory problems; optimizing financial portfolios. General-purpose optimization program Optimize allows optimizing user-defined function; Simulate provides the response of a user-defined function to random inputs. Also includes former title 'Risk and Business Simulations.' \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918

## Project Planner (PERT & CPM)

Handles job scheduling and optimum assignments. Major project planning based on the PERT and Critical Path Analysis techniques. Programs are activity-oriented; user must prepare the network of activities. PERT produces the critical path and probability of finishing on time. CRITPATH produces the critical path, then provides a report on all non-critical activities—latest starting times, earliest finishing times, etc. Planner is a full-featured project-management program. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918

## Regression—Linear and Non-Linear

Comprised of procedures based on the least squares technique. Program set includes simple linear regression, four multilinear regression programs, ridge regression, and regression using orthogonal polynomials. Provides a Durbin-Watson program to study the statistical quality control and all information related to chart preparation. Includes large section on the analysis of variance and experiment design. Topics and software cover traditional and more sophisticated quality control methods. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105; (514) 933-4918

## ◆ TELECOMMUNICATIONS ◆

### A-Talk III

This popular telecommunications program allows you to access on-line services, bulletin boards, and mainframe computers with reliability and confidence. Used by thousands of Amiga users, as well as government and educational institutions. Gives

you complete control of terminal emulation as well as extensive phone book and scripting utilities. Fully compatible with all the latest modems; supports the highest speeds. \$75.00

Felsina Software, 4440 Finley Ave. #108, Los Angeles, CA 90027; (213) 669-1497

### Amiga Flash Chat

Amiga front end for galacticomm BBS teleconferencing systems. Provides an interesting environment for multi-line BBS users. Includes ability to add game modules to play 'live' in a multiple-user scenario. Price TBA.

Technical Magic, 26090-62 Robertson Road, Nepean, Ontario, Canada K2H 9R0; (613) 596-9114

### AmigoModemNet

Modem networking software for the family of Amiga computers. Software features automatic reconnect of an interrupted phone call and has protection feature to prevent modem misprogramming. \$125.00

Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334

### Baud Bandit v1.5

User-friendly telecommunications software. Clipboard support, macros, programmable function keys, and full AREXX support. Greater control of programs and peripherals through numerous new AREXX commands. Version 1.5 adds customizable modem and config windows and a toggle feature so users can turn their printers on and off. Other additions include VT style cursors that can be emulated through the cursor keys, Auto Baud capability, and a serial input/output feature that can be disabled by the user. Upgrade improvements include enhanced file requesters, an unlimited phonebook file size, and an advanced chat mode editing. The scrolling review and backscroll buffer sizes have been increased and the protocols have been adjusted for more compatibility. Upgrade cost is \$10. with the return of the original program disk. \$49.95

Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555

### CNet Amiga v2.20 Electronic Bulletin Board System

Full-featured Pro BBS system. The 2.20 update has dozens of new features and commands for both remote system users and system operators. Handles up to 24 external phone lines with multi-serial port card. True multi-tasking system can operate in the background so as not to tie up the computer. FIDO NET and USENET supported. Requires AmigaDOS 1.3/2.0, at least 1MB RAM, plus another 200K for each phone line. Hard drive strongly recommended. Now available in retail stores. \$129.95

Beverly James Products/Perspective Software, P.O. Box 40191, Redford, MI 48240; (313) 537-6168

### CanDo BBS Disks 1,2,3,4&5

Collections of CanDo applications (called decks) written by CanDo users and sent to INOVAtronic for other users to see and try out. \$5 each. INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991

### DLG Professional BB/OS

DLG Professional is a unique telecommunications product aimed at the high-end hobbyist and professional bulletin board market. It now comes bundled with Trapdoor and DLGMail to form a complete FidoNet-ready package. DLG is not a single large application program, but is instead a group of interrelated modules and commands that form the nucleus of a bulletin board operating system that is built around a standard Amiga shell. This gives DLG the same advantages that AmigaDOS has: low memory overhead, and full multi-user multitasking of all functions and operations. NTSC/

PAL compatible, language configurable, international character set configurable. Requires 512K and hard disk. AmigaDOS 2.0 compatible. \$229.00  
TelePro Technologies, 20-1524 Raymer Ave., Saskatoon, Saskatchewan, Canada S7N 1Y1; 306-249-2774 HST14.4K

### Dr. Term Pro

Powerful telecommunications software with mainframe emulations and protocols. \$49.95  
Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555

### EModem Ethernet Driver for InfoChannel

Communication program developed for use with InfoChannel to facilitate script transfer/file transfer from a Creation/Master workstation to Display/Slave station utilizing Commodore's A2065 Ethernet Network Adapters. \$250/node.

Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334

### EX Drivers

Scala multimedia product. Three drivers: Pesa Switching Matrix RM-4000 Driver, Panasonic AG1000B VCR Driver, and 3/4-inch VCR Deck Driver.

Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334

### GPFax 2.01

Complete send/receive fax solution for Amigas and compatible modems. Fully mouse or keyboard driven. Extensive user features include definable cover pages, integrated phone book, scheduler, log reports of all faxes, security option, adjustable viewing ratios. Can create fine or standard resolution faxes from any text or IFF file. Integrated printer driver to create faxes from almost any Amiga program. Extensive AREXX commands with automatic FAX/DATA detection for BBS. Saved faxes stored in 'standard' FAX-IFF format; can save as IFF pictures compatible with OCR software. Versions available for both Group 3 Class 2 and Class 1 modems. Special version for Supra modems. Also available in 'standalone' version for ZyXel and many other brands. (Modem manufacturer enquiries welcome.) Any AmigaDOS compatible from Workbench 1.3/2.3. Works with floppy drive systems; hard drive, 1MB recommended. Approx. US\$120, Australian \$159. \$200.00  
GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402

### GPterm-Amiga v4.59

Communications software for Amiga computers featuring full VideoTex (Prestel) emulation plus Amiga, IBM 8 and 16 color modes, VT100/103 emulations. Supports Xmodem, Ymodem, Kermit, Punter, and complete Zmodem protocols. Multiple and circular dialing of remote services with complete user-definable configurations for each service. Supports bps rates 300-19200 including 1200/75 and 75/1200. Approx. US\$74, Australian \$99.  
GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402

### InfoChannel TV Control Station

A full software solution for computer-driven TV display information systems. Designed for hotels, cable TV stations, hospitals, factories, and conference centers where information can be displayed on existing TV monitors throughout a building or to remote sites. The software allows for script creation and timing, display scheduling, and communications for the control of remote machines. Combines digital sound files, graphics, animations, texts, special effects, screen fonts, and symbols into a 'looping' presentation or into an 'interactive' kiosk that can be updated and controlled from a remote site. InfoChannel can dynamically import text and statistics from mainframes and other

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Miscellaneous Software

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

computer platforms for real time information dispersal. Communication options include serial, dial-up modem, Ethernet, satellite, and VBI data broadcast. Requires A2000/3000, 2MB memory, hard disk, communications hardware. \$2000.00  
*Scala, Inc., 12110 Sunset Hills Dr., Ste 100, Reston, VA 22090; (703) 709-8043*

## InfoChannel TV Display Station

For use with the InfoChannel Control Station, this program allows a geographically remote computer to function as a continuous-display information station. Controls the playback, schedules, and preloading of on-screen presentations. Communication updates from the Control Station are received in the background so that information display is not interrupted. A single InfoChannel Display Station can drive a single interactive kiosk or multiple-monitor TV displays. Requires A2000/3000, 2MB memory, hard drive, communications hardware. Optional genlock or encoder. \$800.00  
*Scala, Inc., 12110 Sunset Hills Dr., Ste 100, Reston, VA 22090; (703) 709-8043*

## MediaLink Remote Access Module

Allows un-interrupted and remote updating of MediaLink scripts and data files. Perfect for Cable TV channels, hotel information channels, remote kiosks, etc. Supports Zmodem protocol, scheduled transmissions, remote page editing with PC's, Mac's and Amiga's, and communications via modem, network or VBI data broadcast. Kickstart 1.3 or higher, 1 Mb chip RAM, 1Mb Fast RAM. Distributed in U.S. by Computer Video Solutions, Inc.  
*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidoostr, The Netherlands; (011) 312-0691-1914*

## MindLink

This powerful Amiga modem software has the most versatile set of controls in any telecommunications program. Brings new ease of use to telecommunicating. Data speeds from 300 baud to MIDI (31.25K baud). Protocols include X-, Y- and Z-modem. Enter BBS commands by clicking on any word or character on the screen! Exclusive chat-modem mode allows you to talk while transferring files! Real-time monitoring of on-line charges. Programmable timer. Integrated script language—design your own modem utilities. Integrated CLI and text editor. User-definable ASCII table (both send and receive). Requires 512K and one drive. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

## Online Platinum Edition

Incorporates all the features listed under The Works! Telecommunications Module. Includes new Research and Development Division design named Sadie!, a two way file transfer and chat protocol that lets you download and upload simultaneously. Available for PAL. AmigaDOS 2.0 compatible. \$29.95  
*Micro-Systems Software, 12798 Forest Hill Blvd, Ste. 202, West Palm Beach, FL 33414; (407) 790-0770*

## Packeterm

For the amateur radio operator. Packeterm works with special modems called Terminal Node controllers to allow the radio operator to send and receive computer messages and files between other HAM radio operators. Requires one floppy drive, 512K, AmigaDOS 1.3/2.0. \$99.95  
*Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230; (800) 852-6442*

## SCALA InfoChannel

Complete software package for production, timing, scheduling, and broadcast of TV-display presentations. Total multimedia solution, but designed for non-technical staff. High-quality graphics, color, motion, sound. Transmits information cheaply and

selectively. Used in supermarkets, hospitals, hotels, businesses in 20 countries.

*Scala, Inc., 12110 Sunset Hills Dr., Ste 100, Reston, VA 22090; (703) 709-8043*

## Star-Net BBS V1.0

Successor to Paragon BBS. Star-Net BBS is a powerful BBS program, featuring Fido-Net networking (no additional software needed), multi-line capability, two-modem with batch and resume, on-line programs (door), menu compilation, locked baud rates, and much more. System requires 1MB RAM and a hard disk. \$165.00  
*Star-Systems Software, P.O. Box 161, South Grafton, MA 01560-0161; (508) 839-3739 voice*

## The Answer

Lets your Amiga answer the phone, talk to the caller, and use normal audio digitizer to record messages. Features separate Config and Runtime programs, special Interrupt message, Caller Hold, much more. Workbench 2 and ARexx compatible. Requires 1MB, two disk drives or hard drive. The Answer Plus, for those who do not have a sound sampler, is combo of The Answer bundled with Audio Engineer Junior sound sampler/editor. The Answer: 145 Australian dollars.  
*GSOFT Pty. Ltd., PO Box 59, Elizabeth 5114, South Australia; (011) 61-8-254-2261*

## VTX On-Line

State-of-the-art graphics communication program offers on-line help with pages referenced to the manual, scripting with automatic generation, clipboard compatible capture buffer, and mouse or menu interface. Supports CompuServe GIF raster graphics with HAM mode support for 256 colors. Protocols include ASCII, Xmodem, Xmodem-1K, Ymodem, Kermit, and more. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## XModem Serial/Modem Driver for InfoChannel

Modem communication program developed for use with InfoChannel to facilitate script transfer/file transfer from a Creation/Master workstation to Display/Slave station utilizing internal or external modems. Software features automatic reconnect of an interrupted phone call and has protection feature to prevent modem misprogramming. \$125/none.  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*

## Xenolink

Multi-line BBS. Built-in Fido support. All mailer software included! All popular protocols supported. 256 sysop definable menu sets (ASCII, ANSI, Spanish, French, etc.), unlimited sysop definable menus within each set. Over 140 menu commands. Built-in text sysop definable, make Xenolink look like any popular BBS software, or be original. Over 6500 message and file sections. Extensive security features to govern access of BBS lines, message, and file sections. Support for Xenolink, Paragon, and ARexx external door programs. Requires 512K RAM, hard drive recommended. ARexx required for use of message spell checker. AmigaDOS 1.2 or later. Works perfectly with AmigaDOS 2.0. \$165.00  
*Commotech Computers, 205 8th St., National City, CA 91950; (800) 300-AMIGA*

## term2200

Emulates the Tandberg 2200 terminal, commonly used with Norsk Data minicomputers. It displays Norwegian, Swedish, German, and English characters, and the <esc>N and <esc>O character sets. Baud rates up to 9,600 are supported. Push keys, F keys, and many of the 2200's special function keys, such as COPY, EDIT, MARK, and PRINT are supported. PC/Link and XMODEM file transfer is supported, as well as the auxiliary printer. This product functions properly with NOTIS-WP, NOTIS-

ID, and User Environment. \$125.00  
*Venn Software Ltd., 328-1027 Davie Street, Vancouver, B.C., Canada V6E 4L2*

## term6312

Emulates the Concurrent (Perkin-Elmer) 6312, 1251, and 1200 terminals. All functions required by Reliance R08, MEDIT, and LEX are supported. It supports blinking, underlined, low intensity, and non-display fields. The status line, 32 function keys, and audible beep are available. Baud rates from 300 to 9,600 are supported. The auxiliary printer is supported. \$150.00  
*Venn Software Ltd., 328-1027 Davie Street, Vancouver, B.C., Canada V6E 4L2*

## ♦ TUTORIALS ♦

### Mastering CLI and the SHELL

Interactive tutor. Allows user to type in commands with various options. Shows results and explains them in detail. New users will be using CLI from the start. Uses common commands extensively to familiarize new user with CLI environment. Also includes The Assistant, a memory-resident reference of 21 most commonly used commands to provide quick on-line help. New version: 3.0 features full AmigaDOS 1.3 and SHELL coverage. Over 250 pages of tutorials-interactive instruction. Features 1000 plus typed-in examples, diagrams, numerous ready-to-run script files. Expanded online help, hard disk installation routines, more. \$39.95  
*Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110; (201) 661-0408*

## ♦ WEATHER ♦

### SIGH-low®

At last! An interface to your HEATH ID-5001 and your Amiga. Complete ARexx control over your HEATH Advanced Weather Computer. Includes example ARexx code, manual. Cable also available at additional cost from SIGH. Requires ARexx, 1MB, one floppy; hard disk recommended. AmigaDOS 2.0 compatible. Additional hardware needed to complete interface—HEATH ID-5001 Advanced Weather Computer and serial cable. HEATH ID-5001 available in kit form or assembled from HEATH CO., Benton Harbor, MI, (616) 925-6000. \$39.95  
*Software Industry & General Hardware (SIGH), 677 B Main St, Ramona, CA 92065; (619) 788-0447*

## ♦ KNITTING/WEAVING ♦

### Jacquard Color Separation Program

This program is designed for machine knitters who knit double-bed Jacquard knits. This Utility program saves hours and hours of tedious manual color separations. Gridded IFF files (generated in DeluxePaint or other paint programs) are imported. You may separate up to 6-color per row designs in one of four methods. Separations may be printed. AmigaDOS 2.0 compatible. \$90.00  
*Cocheville Design Studio, P.O. Box 4276, Encinitas, CA 92023; (619) 942-1957*

### Knit Editor Program

The Knit Editor is a utility program designed to be used with freehand drawn and digitized images imported as IFF files. It performs color reductions and then automatically grids the image to your desired stitches and rows. Various display options are given for the final picture including grid numbering, demarkation lines, symbols, variable grid sizes, and more. This program may also be used by needlework people. AmigaDOS 2.0 compatible. \$110.00

*Cocheville Design Studio, P.O. Box 4276, Encinitas, CA 92023; (619) 942-1957*

# Miscellaneous Software

## KnitterChart

Graphic-oriented charting program primarily for users of knitting machines. Mouse or keyboard input and control. Inputs swatch data and dimensions of desired sweater from user or data file. Outputs complete set of machine operating instructions in verbal, table, or abbreviated (with diagrams) form; disk data and image (IFF) files; blank data form; and diagrams. Most output can be directed to screen or printer. Permits fast and easy creation of any size garment with any type yarn in eight styles. Runs from Workbench or CLI in NTSC or PAL modes. Currently no ARexx support. Includes hard disc Install program. Fully documented. Requires A500 with 512K memory and one floppy drive; 1MB and two drives recommended. Best with hard drive and dot-matrix graphic printer. Also runs on A1000/2000/3000. Requires AmigaDOS 1.3, 2.0 compatible. \$99.95  
*Versitek Software Ltd., 1 Wentworth Circle, Eastern Passage, Nova Scotia, Canada B3G 1G1; (902) 465-2718*

## Weave-It

Weaving program with six grid sizes, any six colors at one time, 12 harnesses, and 14 treadles. Modify drawdown or design colors anytime. Change threading, tie-up, or treadling anytime. Compatible with other Amiga graphics software. Saves in IFF format. \$74.95  
*Joyce I. Peck, #301 2020 Highbury St., Vancouver, BC V6R 4N9, Canada; (604) 224-0654*

## Weave-It Plus

All the features of Weave-It with the utility programs Fibre-Facts and Calculate-It. Both utility programs fully use the Amiga interface, do point-and-click calculations, convert standard measures to metric, and print calculations to any Amiga preferences printer. \$89.95  
*Joyce I. Peck, #301 2020 Highbury St., Vancouver, BC V6R 4N9, Canada; (604) 224-0654*

## ◆ CD-ROM ◆

### AB20 Internet Amiga Archive

More than 3000 files. Hundreds of applications including GNU utilities, editors, hypertext tools, plotter utilities, modem and communication programs. Demos of commercial programs, video and other games, graphical images, animations, and programs to view them. Amiga hardware documents, huge selection of sound files, TeX typesetting with MetaFONT and dvi filters. All Usenet archives comp.sources. and comp.binaries.amiga. ISO 9660. Does not work with CDTV. \$24.95  
*Walnut Creek CDROM, 1547 Palos Verdes Mall, Ste 260, Walnut Creek, CA 94596; (800) 786-9907*

### AsimCDFs

This CD-ROM FileSystem allows an Amiga/CDTV to access any ISO9660, HighSierra, or Mac HFS formatted disc. CDTV discs also accessible. Comes with FishMarket, a disc containing Fred Fish disks 1-637, and AsimTunes, an intuition-based AudioCD controller program with ARexx capability. Includes manual and a painless install procedure. Supports a number of CD-ROM drives. Requires SCSI controller compatible with Commodore SCSI-Direct Standard. For 68000,010,020,030,040 processors. Minimum 512K, more recommended for buffering. AmigaDOS 1.3/2.0 compatible. \$79.00  
*Asimware Innovations, 101 Country Club Dr, Hamilton, Ontario L8K 5W4, Canada; (416) 578-4916*

### CDx Disk Set

All software needed to attach a SCSI CD-ROM drive to most popular SCSI controllers, plus a printed manual and two CD-ROM discs (Fish & More Vols.

I and II). Software consists of: CDxFileSystem for access to ISO 9660, High Sierra, and Mac HFS discs, CDTV emulation software to run most CDTV titles (1MB chip RAM recommended), audio CD player software, comprehensive installation software, an assembly/C/ARexx-compatible device for developers, and more. NTSC/PAL compatible. Requires SCSI controller, SCSI CD-ROM drive. AmigaDOS 2.0 compatible. \$50.00

*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### Desktop Library CD-ROM

Over 1000 classic literature, historical documents, and reference works. Ancient Greek works, Aesop's Fables, Shakespeare, Chaucer, Virgil, Dante, and Milton. Books by Twain, Whitman, Crane, Melville, and Poe. Bullfinch's Mythology, Tolstoy, Jules Verne, Hans Christian Andersen, Lewis Carroll, Dickens, Conan Doyle, Jane Eyre. Treaties and international agreements, 1991 CIA world fact book, dictionaries, much more. All files plain text ASCII. \$39.95

*Walnut Creek CDROM, 1547 Palos Verdes Mall, Ste 260, Walnut Creek, CA 94596; (800) 786-9907*

### Fish & More Vol. I

A CD-ROM disc containing over 500MB of freely distributable software including the Fred Fish library (#1 to #370). Requires CD-ROM drive system with file system driver. \$25.00

*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### Fish & More Vol. II

A CD-ROM disc containing over 150MB of freely distributable software including the Fred Fish library disks #371-#470. Data is stored in a sorted format (for local use) and in two compressed formats (for BBS use). Requires CD-ROM drive system with file system driver. \$25.00

*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### The Fred Fish Collection CD ROM

The CD ROM contains the entire 700+ disk collection of freely distributable software compiled by Fred Fish. The collection is organized by disk making it possible to locate any file using existing indices to the collection. The disc also contains a high speed utility for producing Fish disks from the CD ROM in two minutes or less. The disc is updated every four months at a cost of \$29.95. Subscriptions available. Compatible with all ISO9660 CD ROM drives, Commodore's L690 CD ROM, and the CDTV keyboard, mouse, and RGB monitor recommended. Workbench 2.0 compatible. Disc is preconfigured for PARNET when using the CDTV or A570. \$74.95  
*HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406; (414) 632-3766*

### The Fred Fish Collection OnLine CD ROM

The CD ROM contains the entire 750+ disk collection of freely distributable software compiled by Fred Fish. The collection has been compressed in LHARC format both by disk and program. Text files are included describing the collection. The disk is designed for use on BBS systems based on any platform. The disc is presetup for use as a PARNET node when used with CDTV or A570. Path and file names conform to MS-DOS standards. Updated every four months. Subscriptions available. Special offer if purchased with The Fred Fish Collection on CD ROM. Workbench 2.0 compatible. \$69.95  
*HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406; (414) 632-3766*

## ◆ DESKTOP PRESENTATION ◆

### Media Show

Media Show is a multimedia sequencer for creating presentations and desktop video productions of all kinds, quickly and easily, especially on the Amiga 500. It allows the user to combine and play animations, graphics, music, and sound effects. It features a built-in video titler that can overlay text on top of movies with special effects such as multi-colored extrusions, shadows, and outlines. Media Show supports files from most paint programs, 3-D rendering and animation programs, music programs, and sound digitizers/editors. No additional hardware is required. \$129.00

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Presentation Master

Display and output your own multimedia presentations. Import bit-map and EPS images, data for charts and text. With its object-oriented paint and business graphing modules, Color PostScript output and graphic presentation authoring environment, Presentation Master gives you all the tools you need to create shows with professional-quality graphics, charts, and text effects. The unique hot spot feature lets you design audience-interactive presentations—and the included stand-alone slideshow program can be freely distributed to play your creations. \$299.95

*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*

### ShowMaker

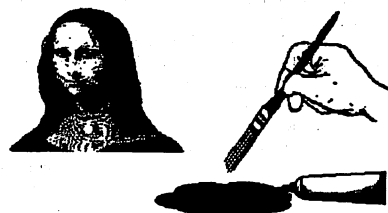
ShowMaker puts the power of desktop video in the hands of a whole new level of users. The intuitive time line interface lets you quickly and easily mix animations, music, video titles, sounds, video effects, and graphics into video productions or multimedia presentations. ShowMaker controls a variety of devices including NewTek's Video Toaster, MIDI instruments, Laserdiscs, VCRs, and genlocks. Patented Auto Loading technology loads files as the production plays, so production length is not limited by RAM. Runs on any Amiga with at least 1MB of RAM and a hard drive. \$395.00

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Word Processing

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |



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## —Word Processing continued from page 28.

created with Personal Fonts Maker can be transferred to a printer's memory and printed at maximum quality and speed. This program offers you complete control over printed fonts. \$99.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### SuperFont Sampler 3.0

On a budget? Want a good collection of word processing/paint fonts, but don't need really big ones, or color ones? This version of SuperFont Sampler includes small and medium fonts from Professional Font Library. Great starter package with no compromise in quality. Three diskettes, utilities, two manuals. Over 60 font files, about 25 typefaces from seven to 34 lines high. 512K RAM. \$44.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## ◆ INTEGRATED SYSTEMS ◆

### Pen Pal

Color WYSIWYG word processor, built-in database, form generator, with great user interface. Multiple fonts. Line/box/border drawing. Imports, resizes, crops any IFF or HAM pictures. Spelling checker with 100,000-word dictionary. The built-in database can be used for customer lists, student files, accounting, and more. Also sorts, selects, and merges with your documents. Requires 1MB RAM, two disk drives or hard disk, Preferences-supported printer. \$149.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076; (800) 247-8330*

### Professional Calc

This professional business spreadsheet and graphics package offers powerful features and an intuitive user interface. It features over 125 statistical, trigonometric, financial and user definable functions; it also supports ARexx. For fast access to commonly-used functions, the user interface fea-

tures a graphical control panel. Add multiple fonts and colors, define style tags, generate 2-D and 3-D bar graphs, pie charts, line, column x-y scatter, and area graphs. Take advantage of the onscreen color dithering and special text effects such as embossed, extrude, and drop shadow. Pro Calc also imports several other business software packages and saves charts and graphs as IFF bitmaps, Professional Draw clips, Aegis Draw Plus clips, and EPS files. \$395.00

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## ◆ SPELL CHECKERS ◆

### Foreign Language Dictionaries for ProWrite

German, French, and Swedish dictionaries for use with ProWrite graphic word processor. The German dictionary contains 85,000 words, while the French version contains 130,000 words, and the Swedish version contains 150,000 words. \$35.00 each. \$35.00

*New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746; (512) 328-6650*

### Promise

A 95,000-word spell checker with spell help, punctuation. \$49.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

### Proper Grammar

Proper Grammar utilizes the Houghton Mifflin CorrecText Grammar Correction System, a powerful expert system that uses context-sensitive rules of grammar to analyze writing and to detect and correct errors in syntax, usage, punctuation, spelling, and style. It is the first and only interactive language-aid system on the Amiga that corrects documents by identifying the grammatical function and relationships among words. It detects 95% of all writing errors. Use with your wordprocessor. Open, check, edit, and save WordPerfect, ProWrite, QuickWrite, Pen Pal, excellence!, TextCraft Plus,

KindWords, TransWrite, Scribble!, and ASCII files. \$99.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076; (800) 247-8330*

## ◆ TEXT EDITORS ◆

### TextEd

Easy-to-use, fast text editor. \$39.95  
*Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140; (617) 864-8595*

### TextEd Plus

Text editor plus FastFonts, FunKeys, ARP, ARexx, and BlitzDisk. \$79.95  
*Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140; (617) 864-8595*

### disEd

A small, fast, easy-to-use text editor designed for programmers, authors, and others who do not require a WYSIWYG display. Coded entirely in optimized 68000 assembly. All the features you'd expect to find in a good editor plus mouse/menu support, macro facility, printer spooling, and the ability to rebind the command keys to your preference or to emulate other editors. AmigaDOS 2.0 compatible, ARexx capable. Requires 512K. \$25.00  
*dissidents, 10325 Woods Road, Utica, NY 13502-9574; (315) 797-0343*

## ◆ UTILITIES ◆

### Reason

Analyzes writing style and readability, proofreads spelling, diction, punctuation, and then suggests improvements. \$395.00  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84323; (801) 753-7620*

### SIGH-dex®

You've created that document; now add an index. Works with any ASCII file. ProWrite support in version 2.00A. LaTeX support; produces LaTeX index already formatted for inclusion in your LaTeX file. Includes manual, ARexx macro for automatic phrase file generation in ProWrite, and example files. Complete ARexx support in version 2.00A. For all Amigas. NTSC/PAL. Requires 1MB, hard drive recommended. \$49.95

*Software Industry & General Hardware (SIGH), 677 B Main St, Ramona, CA 92065; (619) 788-0447*

### WordPerfect 4.1 Maintenance Update

Allows WordPerfect users to access files through standard Amiga file requester system which provides powerful file management capabilities each time file is saved/retrieved. Users familiar with program's original file requester can still access files by typing file path and name. Update also allows users to use third party transfer utility to import WordPerfect 4.2 PC files directly into WordPerfect for the Amiga. Has improvements to List Files and Timed Back-Up features in WordPerfect as well as Spell Checker. Update supports automatic edit buffer sizing. Comes on three disks. Users with problems in earlier version who reported it to WPCorp's Customer Support Dept. are entitled to receive update at no charge. \$6.00  
*WordPerfect, 1555 N. Technology Way, Orem, UT 84057; (800) 451-5151*

# Drives

## ◆ EXTERNAL FLOPPY DRIVES ◆

### FDD Series External fdd

FDD-M312 for the Amiga, 3.5-inch, 880KB formatted. One hundred percent Amiga A1010 compatible. 94ms access times, MFM recording mode. Additional drive connector and On/Off switch support for the Amiga. \$139.95  
*Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### 3.5 Slimline Drive

A 3.5-inch floppy disk drive, Slimline design is only one-inch-high. Has 26-inch cable for easy positioning. It also has through-port for connecting additional drives. \$139.95  
*Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121; (800) 782-9110*

### A1011 3.5 Floppy

A 3.5-inch external 880K floppy drive for the Amiga family. Power is supplied by the Amiga computer. \$152.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Air A1010

External 3.5-inch 880K disk drive with pass-through. Color coordinated with CPU. Assembled in U.S. \$199.00  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### Cortex External 3.5-inch Floppy Drive

High-quality silent mechanism. Through port. Enabled/Disable switch.  
*Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England; (011) 4451-236-0480*

### Master 3A-1

External 3.5-inch floppy disk drive for all Amiga computers. \$109.00  
*GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

### RF382CV RocLite AV

This is an 880K external floppy disk drive for the Amiga. The RocLite AV is housed in premium aluminum casing and measures only 0.9 inch in height. The drive features built-in anti-virus protection and no-clicking as well as an On/Off switch to control the number of active peripherals. The low power consumption (0.025 watt stand-by, 1.8 watts read/write) allows for daisy-chaining. \$120.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

## ◆ INTERNAL FLOPPY DRIVES ◆

### A2010 3.5-inch Internal Floppy

3.5-inch horizontal floppy, no external power supply. Maximum transfer rate of 250 K/sec.; reads an entire track at one time; supports fast data transfer rates. MFW read/write format, 880K storage capacity, double-sided/double density; formatted in 160 tracks with eleven 512 byte sectors each. Power supplied by the A2000 computer system. \$123.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### A3010 Amiga Internal Floppy Drive

An internal 3.5-inch 880K floppy disk drive for the Amiga 3000 series. Power supplied by the A3000 computer system. \$123.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Air A1000

Internal 3.5-inch 880K disk drive for A1000 series. Includes instructions. \$150.00  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### Air A2010

Internal 3.5-inch 880K disk drive for A2000 series. Includes hardware. \$150.00  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### Air A3020

Internal 3.5-inch 880K disk drive for A3000 series. Includes hardware. \$150.00  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### Air A5010

Internal 3.5-inch 880K disk drive for A500 series. Includes power cord. \$150.00  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### Air IBM2000HD

Internal bridgeboard drive for A2000 series. Includes instructions. \$180.00  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### Air IBM3000HD

Internal bridgeboard drive for A3000 series. Includes instructions. \$180.00  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### RF362C A500 Replacement Drive

This is a 3.5-inch, 880K internal floppy drive for the A500; available as a replacement. \$100.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

### RF372C A2000 Replacement Drive

This is a 3.5-inch, 880K internal floppy drive for the A2000; available as a replacement. \$105.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

## ◆ FLOPPY DRIVE ACCESSORIES ◆

### Facc II

Floppy disk caching utility speeds up any interactive floppy disk activities. A must-have for floppy disk only systems. \$34.95  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*  
**Please see display ad in color section.**

### Floppy-Rail

Floppy-Rail allows you to build the internal Amiga 500 floppy drive into any PC case. Front brezel in Amiga Color. \$25.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### Power-Y-Cable

Power-Y-Cable allows you to use two drives with the same power line. \$14.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### RV300C Anti Virus Device

This is a device to be connected between the external floppy drive and the Amiga system. The device provides write-protect function to the external drive connected to it. It further provides a virus protect function to stop any attempt to write on track zero for both internal and external floppy drives on the system. The device additionally displays the track position of the magnetic head of the external floppy. This is a perfect add-on for all new or installed drives. \$50.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

### Shuffle Board

ICD Shuffle Board provides two useful functions for A500 or A1000. Allows you to disable and

remove your internal floppy diskette drive while changing the external port to support DF0., and allows you to disable all drives except for DF0.; Shuffle Board simply plugs underneath one of the CIA chips inside your computer. \$39.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## ◆ HARD DRIVES ◆

### A530 Turbo

GVP's new HD8 features a 40MHz CPU and has the capability of adding up to 8MB of 60ns, 32-bit wide RAM. Designed in the same sleek style as GVP's classic hard drive subsystem for the A500, this accelerated version also features a choice of a 40, 80, 120, 213 or 540 MB factory-installed hard drive.  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

### ALF-FLASH-DISK-EXT

Delivers blistering speed 0.00-ms Seek time and 0.5 SCSI Access time through use of Motorola 32/16 bit processor working in tandem with high-speed NCR SCSI chip. Nothing rotating. Made with D-RAM SIMMs, mix and match different SIMMs. Holds from 2MB up to 448MB. 5.25 footprint. Comes with its own internal battery backup. Populated with 2MB. Built into a solid case with its own power supply. SubD-SCSI pass-through connector. For any Amiga with SCSI 2 controller. Two-year warranty parts and labor. English/French/German manual. Workbench 2.0 compatible. \$3395.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-FLASH-DISK-INT

Delivers blistering speed, 0.00-ms Seek time and 0.5 SCSI Access time through use of Motorola 32/16 bit processor working in tandem with high-speed NCR SCSI chip. Nothing rotating. Made with D-RAM SIMMs, mix and match different SIMMs. Holds from 2MB up to 224MB. 5.25-inch footprint. Populated with 2MB. For any Amiga with SCSI 2 controller. English/French/German manual. Workbench 2.0 compatible. Two-year warranty parts and labor. \$1950.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ESDI Model 1350

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1350. Capacity 85-170 MB 23 m/sec. \$1490-\$1690.  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311; (818) 709-3407*

### ESDI Model 1558-15

Compatible with the Commodore, host/controller, C-LTD host/controller, and others. Model 1558-15. Capacity 382 MB, 18 m/sec. \$2820.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311; (818) 709-3407*

### ESDI Model 1650

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1650. Capacity 104-182 MB, 16 m/sec. \$1695.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311; (818) 709-3407*

### SCSI Model 1370

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1370. Capacity 85-170MB, 23 m/sec. \$1670.00-\$1875.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311; (818) 709-3407*

### SCSI Model 1578-15

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1578-15.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| <b>Drives</b>                        |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Drives

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Capacity 382 MB, 18 m/sec. \$2820.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311; (818) 709-3407*

## SCSI Model 1670

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1670. Capacity 104-182 MB, 16 m/sec. \$1695.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311; (818) 709-3407*

## ST-506 Model 1320

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1320. Capacity 42-85 MB, 28 m/sec. \$799-\$1180.  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311; (818) 709-3407*

## ♦ HARD DRIVES COMPLETE W/AUTOBOOT ♦

### FastCard Plus

SCSI hardcard with RAM expansion. Includes hardware for mounting 3.5-inch drive onboard. Supports up to 4MB of RAM using FastSimm-1 modules (must be purchased separately) or 8MB of RAM using FastSimm-4 modules. Card features Xetec's DMAx hardware, autoboot ROM, autoconfig circuitry, Macintosh compatible 25-pin SCSI external connector, internal 50-pin SCSI connector, drive LED connector, FastTrak utility disk, and manual. Order #FCP-000 \$150.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### FastCard Plus Q105

Same as FastCard Plus Q85 except drive is a Quantum Prodrive 150S with 19ms access. 105MB formatted capacity, and 64K cache buffer. Order #FCP-105. \$620.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### FastCard Plus Q85

FastCard Plus with Quantum Prodrive 85S 85meg, 17ns drive mounted. Drive has 64K cache buffer, comes prepped and includes demos. No RAM included. Order #FCP-085. \$515.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### FastRam

Board installs in the SA-5 or SA-10 Host Adapter allowing memory expansion up to 4MB using 1MB FastSimm modules or up to 8 meg using 4MB fastSimm modules. (FastSimm modules must be purchased separately). For the A500, order #FR5; \$75.00. For the A1000, order #FR10; \$85.00.  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### FastTrak Q105

System is the same as Q85 except drive is a Quantum ProDrive 105S with 19 ms access and 105MB formatted capacity plus 64K cache buffer. For the A500, order #FT5-105. For the A1000, order #FT10-105. \$665.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### FastTrak Q85 A1000

System is the same as A500 except the Host Adaptor is model SA-10. For the A1000. Order #FT10-085. \$615.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### FastTrak Q85 A500

System includes SA-5 SCSI Host Adaptor with autoboot ROM. SH-52 enclosure with fan. Quantum Prodrive 85S with 17 ns access and 85MB formatted capacity plus 64K cache buffer, manual, FastTrak disk with utilities and shielded SCSI cable. For the A500. Order #FT5-085. \$615.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### FileRunner™ Box/Heavy Duty

External hard drive systems for use with the Amiga 500 or 1000. System comes complete and assembled in a heavy-duty case with fan. The fan

allows the system to run for months without interruption. Each case can accommodate a second drive for future expansion and the unit comes with a power supply large enough for the second drive. Available with and without autoboot (only for A500). Price for 42MB: \$740.00. \$440.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### Mini FastCard

Half-card SCSI interface featuring DMAx hardware, autoboot ROM, autoconfig circuitry, internal 50-pin SCSI connector, drive LED connector, FastTrak utility disk, and manual. Requires off-card mounting of drive. \$75.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### Novia 60i and 85i

The smallest hard drive/interface combo in the world, fits completely inside the Amiga 500 computer. These high-performance drive systems are complete and ready to install. Prices: 60i—\$490.96, 85i—\$596.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### Novia/Speed 60i and 85i

The smallest hard drive/interface combo in the world, fits completely inside the Amiga 500 computer. A fully cached 14.3MHz accelerator gives you 80% to 100% improvement with most programs. These high-performance drive systems are complete and ready to install. Prices: 60i—\$720.96, 85i—\$826.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### Prima 52i, 105i, 120i, and 240i

These drive systems fit completely inside the Amiga 500 computer, replacing the internal floppy diskette drive with a high quality, high performance Quantum hard drive. A Shuffleboard is included to make your first external floppy drive DF0. All necessary hardware, cables, and software are included. Provides the best overall performance of any 500 hard drive system. Prices: 52i—\$430.96, 105i—\$584.96, 120i—\$616.96, 240i—\$965.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### Prima/Speed 52i, 105i, 120i, and 240i

These drive/accelerator systems fit completely inside the Amiga 500 computer, replacing the internal floppy diskette drive with a high quality, high performance Quantum hard drive. A Shuffleboard is included to make your first external floppy drive DF0. All necessary hardware, cables, and software are included. Provides the best overall performance of any 500 hard drive system. Prices: 52i—\$660.96, 105i—\$814.96, 120i—\$846.96, 240i—\$1195.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### Supra Drive for A2000

Includes Series III™ software and ExpressCopy hard disk backup. Hard card includes WordSync™ interface, autoboot ROM, SCSI expansion port, complete utility software for formatting drive and editing low-level system info. Autoboots from FFS partitions. Compatible with Bridgeboard™ and most other boards. Supports up to 30 partitions including MS-DOS partitions (with Bridgeboard). Includes clear, thorough manual of hard disk hints and tips. 52MB \$379, 120MB \$649.95, 240MB \$999.95.  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## ♦ HARD DRIVES COMPLETE W/ ♦ AUTOBOOT /EXPANSION MEMORY

### A500-HD8+0/120

Series II A500+ hard drive/RAM add-on systems includes GVP external hard drive chassis, power supply, fan, autobooting SCSI controller, drive, and expansion sockets for up to 4MB RAM. Comes with

0 K. The A500 HD120/RAM comes with a 120MB hard drive. \$1099.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

### A500-HD8+0/213

Series II A500+ hard drive/RAM add-on systems includes GVP external hard-drive chassis, power supply, fan, autobooting SCSI controller, drive, and expansion sockets for up to 8MB RAM. Comes with 0 K. The A500 HD8+0/213 comes with a 213MB 1-inch high Quantum drive. \$1099.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

### HC8+0/120-II

Series II Hard Card 8+0/120-II for the A2000, A3000 and A4000, consists of SCSI autoboot hard drive controller card with 120MB HD (19/11ms), 3.5-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0 K. \$599.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

### HC8+0/213

Series II Hard Card 8+0/213 for the A2000, A3000, A4000 consists of SCSI autoboot hard drive controller card with 213MB, 3.5-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0 K. \$1349.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

### HC8+0/40

Series II Hard Card 8+0/40 for the A2000, A3000, A4000 consists of SCSI autoboot hard drive controller card with 40MB, 3.5-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0 K. \$599.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

### HC8+0/80

Series II Hard Card 8+0/80 for the A2000, A3000, A4000 consists of SCSI autoboot hard drive controller card with 80MB, 3.5-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0 K.  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## ♦ HARD DRIVE CONTROLLER ONLY ♦

### ALF1-DE2-Seagate

Amiga 2000 interface with ALF2 installation software for running up to two hard drives (any kind, ST 506 style) with a Seagate ST 11 hard disk controller. English/French/German manual. Requires A2000, Workbench 1.2 or higher. \$35.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF1-RE1-Seagate

Amiga 1000 interface with ALF2 installation software for running up to two hard drives (any kind, ST 506 style) with a Seagate ST 11 hard disk controller. English/French/German manual. Requires A1000, Workbench 1.2 or higher. \$85.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF1-RE5-Seagate

Amiga 500 interface with ALF2 installation software for running up to two hard drives (any kind, ST 506 style) with a Seagate ST 11 hard disk controller. English/French/German manual. Requires A500, Workbench 1.2 or higher. \$85.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF2-RE1-MFM

For A1000. ST 506 style hard disk controller for up to two hard drives (any kind, ST 506). Comes with

LOW level and HIGH level installation-, backup-, password-software ALF2. Also runs as second controller with any SCSI controller. English/French/German manual. Requires A1000, Workbench 1.2 or higher. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF2-RE2-MFM

For A2000/3000. ST 506 style hard disk controller for up to two hard drives (any kind, ST 506). Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. Also runs as second controller with any SCSI controller. English/French/German manual. Requires A2000/3000, Workbench 1.2 or higher. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF2-RE5-MFM

For A500. ST 506 style hard disk controller for up to two hard drives (any kind, ST 506). Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. Also runs as second controller with any SCSI controller. English/French/German manual. Requires A500, Workbench 1.2 or higher. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## AdSCSI 2080

For Amiga 1500, 2000, 2500, and 3000 computers. Full auto booting, FFS, removable media support, and the fastest overall performance available. Add 2, 4, 6, or 8MB of RAM with 1MB SIMMs. \$189.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## StarDrive Module

An alternative to the MultiFunction module. Pseudo-DMA access to Macintosh-compatible SCSI drives and other third-party SCSI devices. Fast, easy to install including driver software and disk diagnostics. Also includes battery-backed clock to set your system time on boot-up. \$89.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## ♦ HARD DRIVE CONTROLLER ♦ W/ AUTOBOOT

## ALF2-AF2-SCSI

For A2000/3000. SCSI 2 Controller. Full length card with holes for mounting one 3.5-inch hard drive on the card. Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. English/French/German manual. Requires Workbench 1.2 or higher. CD-ROM, Syquest, and A-Max II support. \$195.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF2-AFN1-SCSI

OEM design SCSI controller for the A1000. Contains one A2000 SCSI board with special pass through A1000 interface. Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. English/French/German manual. Requires Workbench 1.2 or higher. CD-ROM, Syquest, and A-Max II support. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF2-AFN5-SCSI

OEM design; use this SCSI controller to turn the A500 into a PC/AT full size desktop case. Contains one A2000 SCSI board with special pass-through A500 interface. Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. English/French/German manual. Requires Workbench 1.2 and higher. CD-ROM, Syquest, and A-Max II support. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF2-AH1-SCSI

For A1000. SCSI Controller system. Built into an aluminum Amiga 1000-style case with room for one 5.5- or 3.5-inch hard drive. Comes with ALF2 installation- and backup-software. English/French/German manual. Requires Workbench 1.2 or higher. Syquest and A-Max II support. \$225.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF2-AH5-SCSI

For A500. SCSI Controller system. Built into an aluminum case with room for one 5.5- or 3.5-inch hard drive. Comes with ALF2 installation- and backup-software. English/French/German manual. Requires Workbench 1.2 or higher. Syquest and A-Max II support. \$225.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## AdIDE/40

AdIDE interfaces provide an inexpensive alternative to full SCSI interfaces. With an inexpensive IDE (AT) drive, AdIDE will give you the speed and overall performance you need in a small package. AdIDE/40 is for the Amiga 2000 and most standard IDE (AT drives). Fits underneath CPU chip, using no slot. Includes 40-pin IDE cable and instructions. \$109.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## AdIDE/40 Kit

AdIDE interfaces provide an inexpensive alternative to full SCSI interfaces. With an inexpensive IDE (AT) drive, AdIDE will give you the speed and overall performance you need in a small package. AdIDE/40 Kit is for the Amiga 500, and allows you to replace the internal floppy drive of the computer with a Quantum hard drive (not included). All cabling and mounting hardware are provided, as well as a Shuffleboard to make your external floppy drive DF0:. \$159.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## AdIDE/44 Kit

AdIDE interfaces provide an inexpensive alternative to full SCSI interfaces. With an inexpensive IDE (AT) drive, AdIDE will give you the speed and overall performance you need in a small package. AdIDE/44 kit is for the Amiga 500 and includes special hardware for mounting a 2.5-inch hard drive (not included) inside the computer. \$139.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## AdSCSI 2000

For Amiga 1500,2000,2500, and 3000 computers. Full auto booting, FFS, removable media support, and 16-bit performance. Mounting frame included for hard drive card mounting. \$109.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## FastTrak System less hard drive

Same system as FastTrak Q85 less drive. Includes mounting bracket for 3.5-inch drive. For the A500, order #FT5-000. For the A1000, order #FT10-000. \$250.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## HardFrame/2000

High-end SCSI interface supports up to seven devices and operates at bus speeds. Cable pinouts designed for compatibility with standard SCSI hard drives. Features word length data transfer, FIFO buffering, true DMA, and is mounted on a metal frame. Autobooting; automounting; does not require old file system partition; autoloads driver into RAM for fast operation. Works with overscan. \$249 with metal frame, \$239 without metal frame. \$249.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## SA 1000

The SA 1000 is a full pass-through Host Adapter that supports virtually any SCSI device. The setup software included allows for automatic selection and setup of most hard drives and removable-media devices. Manual entries can be made for almost every other possible device. The SA 1000 fully supports large-capacity devices, including removable-media and streaming tape systems, automatically sensing disk changes. Non-DMA design ensures the quickest possible transfer rates at all times, regardless of high-demand graphic screens. For A1000, any OS. One-year warranty. \$254.99  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

## SA 2000

The SA 2000 is a full-length Zorro II compliant Host Adapter capable of supporting virtually any SCSI device. The card is designed to allow half-height 3.5-inch drives to be mounted directly on it. The setup software included allows for automatic selection and setup of most hard drives and removable-media devices. Manual entries can be made for almost every other possible device. The SA 2000 fully supports large-capacity devices, including removable-media and streaming tape systems, automatically sensing disk changes. Non-DMA design ensures the quickest possible transfer rates at all times, regardless of high-demand graphic screens. For A2000/3000, any OS. One-year warranty. \$169.99  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

## SA 500

The SA 500 is a slim-profile Host Adapter that supports virtually any SCSI device. The setup software included allows for automatic selection and setup of most hard drives and removable-media devices. Manual entries can be made for almost every other possible device. The SA 500 fully supports large-capacity devices, including removable-media and streaming tape systems, automatically sensing disk changes. Non-DMA design ensures the quickest possible transfer rates at all times, regardless of high-demand graphic screens, etc. Works with A500, virtually any SCSI device, any version operating system. One-year warranty. \$229.95  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

## SA-10 Host Adapter

SCSI Host Adapter for the A-500 or A-1000 features Xetec's high performance DMAX™ hardware, autoboot ROM, autoconfig circuitry, system bus pass-thru, FastRam expansion connectors. Macintosh compatible 25-pin SCSI connector, provision for external + 5v from SH series enclosures, and low-profile steel enclosure. Also included are a FastTrak utility disk, 25-pin shielded SCSI cable, manual, and 25-pin to 50-pin SCSI adapter board. AmigaDOS 2.0 compatible. \$175.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## SA-5 Host Adapter

SCSI Host Adapter for the A-500 or A-1000 features Xetec's high performance DMAX™ hardware, autoboot ROM, autoconfig circuitry, system bus pass-thru, FastRam expansion connectors. Macintosh compatible 25-pin SCSI connector, provision for external + 5v from SH-series enclosures, and low-profile steel enclosure. Also included are a FastTrak utility disk, 25-pin shielded SCSI cable, manual, and 25-pin to 50-pin SCSI adapter board. AmigaDOS 2.0 compatible. \$175.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## Supra SCSI Interface for A500

SCSI interface board with Amiga-bis pass through and external SCSI port allows a hard disk to be connected to A500's. Includes Series III™ and ExpressCopy software, up to 8MB, RAM expansion

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| <b>Drives</b>                        |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Drives

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

capability, and thorough instruction. \$249.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## SupraDrive 500XP

Features includes Supra Series III software, RAM test software, ExpressCopy backup software, Micro-Power drives, autobooting SCSI Interface, no external power necessary. One half to eight MB FAST RAM Expansion. Amiga bus pass-through, external SCSI port, game switch. Autoboot on/off switch, SCSI ID selector, RAM test mode. 52MB from \$599.95, 120MB from \$899.95, 240MB from \$1149.95. One-year warranty.  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## Trumpcard 500 Classic

HC Trumpcard 500 HC autoboots directly to FFS partitions if desired. Automatic detection of volume change on Syquest removable media drives is included at no charge. Half length card uses 256K x 8 or 1MB x 8 SIMMs for 512K, 1MB, 2MB, or 4MB of RAM. Upwardly compatible with the 2000. Also, every Trumpcard shipped includes support for SyQuest removable media drives at no extra charge. \$189.95

*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## Trumpcard Classic

Exclusive IVS SMARTBOOT autoboots all drives (including Seagate) from cold start. Up to seven SCSI drives can be daisy-chained to one Trumpcard. Full support of Logical Units with Adaptec controllers. Supports all Quantum, Seagate, and Miniscribe drives. User-customizable driver supports virtually any SCSI hard disk drive. The list includes over 15 devices and is growing. Half length card takes only 1/2 slot. Optional brackets mount 3.5 drives to card. Exclusive IVS checklist configuration software makes hard drive setup a breeze. A two-foot 50-pin SCSI cable included with every Trumpcard. Also, every Trumpcard shipped includes support for SyQuest removable media drive. Full one-year warranty, parts, and labor. Now shipped with 2.0 software TC Utils, same as TC Pro. \$89.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## Trumpcard Professional

Trumpcard Pro is simply the fastest SCSI disk controller made for the Amiga. With the new generation drives and CBM2630 card, Trumpcard Pro gets DPerf3 times in excess of 2.1MB per second! Trumpcard Pro is a complete package; hard disk mounting brackets are included along with all power and interface cables. Trumpcard Pro is shipped with IVS' new TCUTILS 2.0, a completely revised version of Trumpcard disk configuration software. IVS also provides SCSI Share Network capability at no extra charge. Up to seven computers can share one or more hard drives, all on the same SCSI bus. Ideal for multiple Amiga stations to share storage. \$169.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## WordSync Interface for A2000

Hard disk interface for A2000 can be mounted as hard card or used in other configurations. Revolutionary design allows super smooth video, sound, and with no rude interruptions for hard drive access. Includes everything that comes with A2000 Supra Drive except hard disk. Autoboots from FFS partition. \$149.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## ♦ HARD DRIVE KITS ♦

### HIDE 1000

Internal hard drive kits for Amiga 1000, complete 'no soldering required' internal hard drive kits for A1000. Storage from 50MB to 240 MB. Prices from

\$399 to \$699.

*Skyles Electric Works, 10301 Stonydale Dr., Cupertino, CA 95014; (408) 737-1632*

## MAX—125™ Autoboot Interface Adapter

Allows you to connect IBM-compatible hard disk controllers and drives to ALL Amiga computer systems. Works with many 8- and 16-bit XT and AT, St506/412, ESDI, and IDE controllers and virtually all hard drives of these interface types. A2000 version takes only one slot position to handle two controllers when inserted in the right-most expansion slot and can be configured as a HardCard with optional mounting bracket. Passes the bus for the A500 and A1000. Priority selectable booting/mounting FastFileSystem partitions of up to four controller boards for a total of eight hard drives. Controller types and drive sizes can be intermixed. Compatible with A500/A1000/A2000/A3000 and most CPU coprocessor boards. NTSC/PAL compatible. AmigaDOS 2.0 compatible. Prices range from \$149.95 to \$189.95.

*Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932; (215) 672-6815*

## RH600C RocMate

This enclosure kit is the perfect mate for an external hard disk drive. It is an external casing constructed of premium plastic and is compatible with Amiga, Macintosh, and IBM PC systems. Designed to house SCSI and AT-IDE hard disk drives. Includes external power supply. \$140.00

*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

## ♦ HARD DRIVE ACCESSORIES ♦

### 50 flat SCSI cable x 12-inch

Order #FTA-FC12. \$14.50  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### 50-pin flat SCSI cable x 18-inch

Order #FTA-FC18 \$15.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

### 50-pin flat SCSI cable x 6-inch

Order #FTA-FC6. \$14.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## Adapter board

25-pin sub-D to 50-pin flat cable. Order #FTA-SMAC \$22.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## External Expansion Cable for Mini FastCard

Order #FTA-EXC. \$25.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## Faaastrom Kit-A2000

ROM and easy-to-use software for the A2000 greatly increases drive speed, gives full removable media support, and AMax II hard drive support. \$49.95  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## Faaastrom Kit-A500

ROM and easy-to-use software for the A500 greatly increases drive speed, gives full removable media support and AMax II hard drive support. \$49.95  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## FastSimm 1™

Zero wait-state 1MB SIMM memory module. Order #FTS-001. \$50.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## FastSimm 4™

Zero wait-state 4 meg SIMM memory module. Order #FTS-004 \$200.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## FastTrak Chassis

Includes chassis, power supply and fan, less drive. Order #FTC \$140.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## Hard Disk Slammer V1.10.A

Hard Disk Slammer installs software onto hard drives, makes scripts and icons that allow installed software to execute from anywhere on the hard drive. Slammer keeps packages separate and allows installed software to be easily removed. Up to five drives can be defined. Accepts up to 10 disk sets of popular software. Artificial intelligence driven. Uses approx. 300K of drive space on system. Does not read non-DOS disks! NTSC/USA. Foreign distributors welcomed to contact. Requires 68000-68040, 1MB, hard disk, Workbench 1.2/1.3/2.0. \$34.95, shipping and handling \$3. \$34.95  
*Zammoth Software, 328 Fair Street, Mansfield, OH 44902; (419) 526-6402*

## Phoenix SCSI Box

The SCSI box connects to an A590 or any Amiga with an SCSI hard disk controller to give a second disk drive. Complete with power and activity LED and fan. It obtains power from the disk drive port. Any 1-inch SCSI drive can be fitted. Price reflects 52MB hard drive. \$500.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## Phoenix SCSI Case

SCSI case connects to any D25 SCSI port and provides power via a disk drive adapter (with pass-through). Complete with power LED and activity LED. This unit will accept any 3.5-inch low profile (1-inch high) SCSI hard drive. \$100.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## SCSI-STD 17/12

Standard two-drive cable (12- and 17-inch). \$44.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## SCSI-STD/17

Standard 17-inch hard drive cable. \$29.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## SCSI-STD/3

Three-inch SCSI hardcard cable. \$25.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## SCSI-STD/3/17

Two-drive hardcard cable with 3- and 17-inch connectors. \$39.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## Shielded 25-pin sub-D to 50-pin flat cable.

Order #FTA-25SC. \$10.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## ♦ HARD DRIVE OPTICAL DRIVES ♦

## DMI Floptical

The DMI 20 MB Floptical Disk Drive is a mass storage solution bringing unprecedented cost performance to the Commodore Amiga. Floptical disks look and handle just like ordinary 3.5 inch diskettes but store 20 MB of data. The DMI Floptical drive is backwards compatible and can read and write 720K and 1.44MB IBM PC disks and 1.44MB Macintoshes. Floptical Technology is the integration of precision optical tracking and traditional read and write magnetic recording. The combining of these two technologies enables the DMI Floptical to reach high data capacities using inexpensive magnetic media. Requires an approved SCSI controller. \$549.00  
*Digital Micronics, Inc., 2075 Corte del Nogal, Ste N, Carlsbad, CA 92009; (619) 931-8554*

## I325VM Floptical® Disk Drive

Optical technology is a removable 3.5-inch SCSI floppy drive system that combines patented optical and magnetic recording technologies to achieve very high capacity (21MB) yet still reads and writes double density (720KB) and high density (1.44MB) formats. One 21MB Floptical disk gives you the same storage as 28 720KB or 14 1.44MB disks. \$399.00

*Insite Peripherals, 4433 Fortran Drive, San Jose, CA 95134; (408) 946-8080*

## MOx-600

Re-writeable Ricoh 600MB Magneto-Optical Drive. Complete system includes enclosure, power supply, fan, and one cartridge. \$3600.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## Magnum/650™

The latest in optical storage technology from Sony. Removes all practical limits on disk storage, by producing up to 650MB of storage on a secure removable disk cartridge. Comes with complete driver support, utilities, diagnostic, cables, and one piece of media. Requires compatible SCSI controller. \$4995.00

*Active Circuits, Inc., 2175 Highway 35, #8-R, Sea Girt, NJ 08750; (908) 974-1616*

## Maxoptix Tahiti II

This 1.2 GB magneto-optical disk drive has built-in SCSI controller and uses front loading, removable, double-sided erasable media offering 1.2 GB of storage capacity. System features motor-drive cartridge ejection for orderly spin-down, power supply requirements compatible with industry standard 5.25-inch disk drives, and software-controllable media removal and media lock. \$3599.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## ROD-5602 F/T

Extra cartridges for MOx-600. \$229.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## Ricoh RO-5030E

Ricoh RO-5030E 5.25-inch disk drive provides speedy data access in only 71 milliseconds and offers 594MB of fully rewritable storage on a removable, two-sided magnetic-optical disk. Its sustained data transfer rate is up to 100 kilobytes per second for recording and up to 300 for reading, and has been incorporated into MS-DOS, and IBM OS/2-compatible systems. Uses highly reliable constant angular velocity (CAV) tracking, yielding an outstanding error rate of about one in every 10-12 bits read. Cartridge sold separately for \$250. \$3800.00

*Ricoh Corporation, Five Dedrick Place, West Caldwell, NJ 07006; (201) 882-2000*

## XY128RW 3.5-Inch Erasable Optical Subsystem

Compatible with A2000/2500/3000. Accessed via Amiga 2091 SCSI interface board. The Amiga can be booted directly from the optical drive, and the software supports AmigaDOS 1.3 and 2.0. Has access time of 42ms. Available in both external and internal configurations. Each 3.5-inch ISO format cartridge can store up to 128MB of data, and can be erased more than one million times. \$2245.00  
*XYXIS Corp., Distributed by Dover Research, 8084 Wallace Rd., Eden Prairie, MN 55344; (612) 492-3913 orders*

## XY600RW

Erasable optical subsystem consisting of an optical drive in a cabinet, cables, manual, software interface to the Amiga and rewritable cartridges. Each removable cartridge stores 600MB of information. The optical drive appears as a system disk. \$4250.00  
*XYXIS Corp., Distributed by Dover Research, 8084 Wallace Rd., Eden Prairie, MN 55344; (612) 492-3913 orders*

## XY600RW-HS 5.25-Inch Erasable Optical Subsystem

Compatible with A2000/2500/3000. Accessed via Amiga 2091 SCSI interface board. The Amiga can

be booted directly from the optical drive, and the software supports AmigaDOS 1.3 and 2.0. Has access time of 37ms and transfer rate of 1MB per second. Each 5.25-inch ISO format cartridge can store up to 600MB of data, and can be erased more than one million times. \$5245.00

*XYXIS Corp., Distributed by Dover Research, 8084 Wallace Rd., Eden Prairie, MN 55344; (612) 492-3913 orders*

## ♦ HARD DRIVES REMOVABLE MEDIA ♦

### ALF-44DISK-E

External 5.25-inch removable hard disk drive, 28 ms, 44MB per cartridge. Has metal case with its own power supply and SCSI Centronics 50-pin pass-through. Comes with installation, backup software. ChANGEDISK command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$625.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-44DISK-I

Internal 5.25-inch removable hard disk drive, 28 ms, 44MB per cartridge. Comes with installation, backup software. ChANGEDISK command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$375.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-88DISK-E

External 5.25-inch removable hard disk drive, 19 ms, 88MB per cartridge. Has metal case with its own power supply and SCSI Centronics 50-pin pass-through. Comes with installation, backup software. ChANGEDISK command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$875.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-88DISK-I

External 5.25-inch removable hard disk drive, 19 ms, 88MB per cartridge. Comes with installation, backup software. ChANGEDISK command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$675.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-R44-Disk

Cartridge for internal and external 5.25-inch removable 44MB cartridge. Comes preformatted if required. English/French/German manual. For Amiga with any Syquest 555 compatible drive. \$75.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-R88-Disk

Cartridge for internal and external 5.25-inch removable 88MB cartridge. Comes preformatted if required. English/French/German manual. For Amiga with any Syquest 88MB compatible drive. \$139.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### Infinit40/i

The Infinit40/i is a removable media drive subsystem for the A2000 and A500 computers which provides Amiga users with the convenience of 40MB cartridges and the speed of a hard disk drive. This program is ideal for animators, graphic artists,

and others who need to categorize mass storage on a project or client basis and for whom a finite storage capacity does not meet their needs. The Infinit40/i is the internal version, which includes a Trumpcard SCSI disk controller, SyQuest drive assembly, two preformatted 40MB cartridges, and all necessary software and cables. Contact IVS for pricing.

*Interactive Video Systems, 7245 Garden Grove Blvd., Ste. E, Garden Grove, CA 92641; (714) 890-7040*

### Infinit40D

For those Amiga users desiring additional storage in an external housing IVS offers the Infinit40D, a double height version of the chassis that accommodates an additional half height 5.25 or 3.5 hard drive or a second SyQuest drive mechanism. The Infinit40D power supply capacity is increased to 60 watts to handle the extra load. Contact IVS for pricing.

*Interactive Video Systems, 7245 Garden Grove Blvd., Ste. E, Garden Grove, CA 92641; (714) 890-7040*

### Infinit40S

The Infinit40S is the external version of the Infinit40 series, which houses the SyQuest drive assembly in a low profile aluminum housing and includes an internal 40 watt switching power supply that automatically senses line voltage and switches between 110/60Hz and 220/50Hz for use anywhere in the world. This package has an externally accessible SCSI device ID switch to allow selection of any SCSI device ID without opening the unit. It also includes two 40MB preformatted cartridges and all software and cables for a total storage solution. Contact IVS for pricing.

*Interactive Video Systems, 7245 Garden Grove Blvd., Ste. E, Garden Grove, CA 92641; (714) 890-7040*

### Syquest (SQ 5110) 88MB Removable Hard Drive

SQ 5110 features data integrity and fail-safe reliability via sealed cartridge filtration system. Has 20ms average seek, data transfer rate of up to 1.25MB/second, 8K buffer, self-diagnosis at power-up, and automatic error correction and retries. Mounts internally in A2000 5.25-inch drive bay or externally with GVP's Impact XC external case. Syquest (SQ 800) Removable Cartridge for SQ 5110 has 88MB formatted capacity per cartridge, and features 66.7ms average access time. \$699.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## ♦ DRIVES TAPE BACKUP ♦

### ALF-STR-Cartr-150

Cartridge for internal and external 5.25-inch, 150MB streaming tape drives. English/French/German manual. For any Amiga with 150MB or 230MB SCSI streaming tape drive. \$33.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-STR-Cartr-250

Cartridge for internal and external 5.25-inch, 230MB streaming tape drives. English/French/German manual. For any Amiga with 230MB SCSI streaming tape drive. \$55.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-STR-Cartr-GIGA

Cartridge for internal and external 5.25-inch, gigabyte streaming tape drives. English/French/German manual. For any Amiga with GB SCSI streaming tape drive. Call for prices.

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF-STR-GIGA-E

External portable SCSI 5.25-inch streaming tape drive. Runs 1GB tapes. Has metal case with its own power supply. SCSI pass-through Centronics 50-pin. Comes with installation and backup software.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| <b>Drives</b>                        |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Drives

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. Call for prices.

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF-STR-GIGA-I

Internal portable SCSI 5.25-inch streaming tape drive. Runs 1GB tapes. SCSI pass-through Centronics 50-pin. Comes with installation and backup software. English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. Call for prices.

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF-STR230-E

External portable SCSI 5.25-inch streaming tape drive. Runs 150MB and 230MB tapes. SCSI pass-through Centronics 50-pin. Comes with installation and backup software. English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$845.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ALF-STR230-I

Internal SCSI 5.25-inch streaming tape drive. Runs 150MB and 230MB tapes. Comes with installation and backup software. English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$645.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Qic Tape

A small, portable tape backup system that uses the floppy drive port of all Amigas. Full-featured backup software included. Backs up 40 or 60 MB on a single low-cost tape cartridge. \$599.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## ♦ HARD DRIVE CONTROLLER W/ ♦ AUTOBOOT & EXPANSION

### A2091

The A2091 is a high-performance autobooting hard disk controller and memory expansion board. The device can be fitted with 2MB of memory and provides improved SCSI capabilities. Additionally, the controller provides space for mounting a 3.5-inch hard disk. \$199.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### ALF3-AF2-SCSI

For A500. SCSI 2 high speed controller with up to 8MB RAM using zip RAM. 0K populated. Full length card with zip RAM sockets and room to mount one 3.5-inch hard drive. External SCSI 25-pin SubD connector. ALF hard drive and streamer installation software with backup and checkdrive software. English/French/German manual. Requires Workbench 1.2 or higher. Supports ATonce, IBEM, CD-ROM, Streamer, Syquest, and A-Max II. \$298.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### ALF3-AH5-SCSI

For A500. SCSI 2 high speed controller with up to 8MB RAM using zip RAM. 0K populated. Comes in Amiga 500-style metal cover with room for one 3.5-inch hard drive. External SCSI port, control LEDs, on/off switch for RAM and SCSI. ALF hard drive and streamer installation software with backup and checkdrive software. English/French/German manual. Requires Workbench 1.2 or higher. Supports ATonce, IBEM, CD-ROM, Streamer, Syquest, and A-Max II. \$399.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Grand Slam Multifunction Card

Grand Slam packs the Trumpcard Professional SCSI hard drive controller, 8MB of fast RAM and a Printerface parallel port all onto a half-length Amiga expansion card. The high speed SCSI controller includes IVS' exclusive SCSI-SHARE SCSI networking software that allows multiple computers to share hard drives and other SCSI peripherals. The fast RAM can be configured as 0, 2, 4, 6, or 8 MB using easy-to-install 1M x 8 SIMM memory modules. The parallel port is output only and is designed to connect to printers, allowing audio and video digitizers to connect to the Amiga parallel port directly. Grand Slam's half length form factor allows hard drives to be attached directly in a 'hard card' configuration. Grand Slam 2000 0K list price is \$289.95. Grand Slam 500 0K is \$369.95. Owners of Trumpcard, Trumpcard 500, Trumpcard Professional, and Trumpcard 500 Professional can upgrade to Grand Slam. SCSI Share Network capability provided with every Trumpcard Professional and Grand Slam at no extra charge. \$289.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## RH800C RocHard

This external hard disk drive casing and controller is streamlined to fit perfectly with the A500. Supports up to two IDE and seven SCSI drives. Expandable up to 8MB SIMM memory (1x8 or 1x9). Features autoboot and autoconfig with Kickstart 1.3 or above, three-position game switch, and quiet fan cooling unit. External power supply included is auto-power sensing. Rigid Disk Block and SCSI Direct. \$230.00

*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

## Trifecta 2000

Trifecta 2000 EC is a card for the A2000/2500. Includes a high-performance 16-bit IDE hard drive controller and sockets for up to 8MB of 0-wait state RAM in hard card configuration for mounting a 2.5- or 3.5-inch IDE hard drive. Trifecta 2000 LX includes all of the above plus high-speed SCSI-2 DMA controller supporting up to seven SCSI devices. SCSI-2 option can be added to Trifecta EC with simple, plug-in upgrade kit. Trifecta 2000 EC: \$199.96, Trifecta 2000 LX: \$249.96, Trifecta LX Kit: \$69.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## Trifecta 500

Trifecta 500 EC is a complete external expansion system for the A500. Includes a high-performance 16-bit IDE hard drive controller, sockets for up to 8MB of 0-wait state RAM, and a mini-slot expansion port, all in a sleek case with switching power supply and mounting for 2.5- or 3.5-inch IDE hard drive. Trifecta 500 LX includes all of the above plus high-speed SCSI-2 DMA controller supporting up to seven SCSI devices. SCSI-2 option can be added to Trifecta EC with simple, plug-in upgrade kit. Trifecta 500 EC: \$299.96, Trifecta 500 LX: \$349.96, Trifecta LX Kit: \$69.96

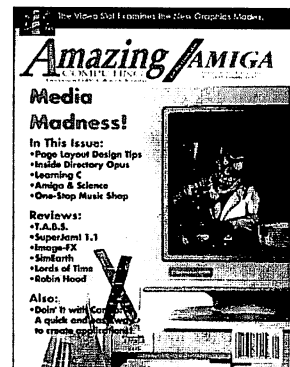
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## Trumpcard 500 AT

Trumpcard 500 AT hard disk/RAM expansion is the perfect add-on for users who want full functionality at a budget price without sacrificing performance. All of Trumpcard 500 AT's performance and function is wrapped in a beautiful, color-matched, injection-molded plastic housing that matches the contour, form, and aesthetics of the A500. Can accept any 3.5-inch AT (IDE) hard drive. In addition to hard disk, Trumpcard 500 AT includes memory expansion up to a full 8MB of 16-bit fast RAM using industry-standard 1MX8 SIMM modules. RAM is fully autoconfigured and can be added at the user's convenience before or after the hard drive. Includes all cables and software neces-

sary for configuration and extensive memory testing. AmigaDOS 2.0 compatible. \$195.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

# Got the hard drive blues?



# Amazing Computing will have you reading and writing again in no time.

# Memory Expansion

## MEMORY EXPANSION GENERAL

### 512K Internal Memory

An internal replacement for Commodore's A501. Features external disable switch. Clock and RAM optional. System requirements: A500. AUS \$119 with clock; AUS \$99.00 without clock.

*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

### 512K RAM Expansion

A 512K memory expansion board for A500. Available with and without clock/calendar option. Has on-board switch to switch the memory in or out without removing the board. \$99.95

*Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121; (800) 782-9110*

### 8-UP! (DIP)

FastRAM DIP (Dual Inline Package) is a truly Amiga-specific version of the popular 8-UP! (SIMM). Using MicroBotic's Programmable Macro Logic chips assures a zero wait state/minimal-refresh-collision memory design. Extremely low-power memory card 8MB 8-UP! (DIP) draws an astoundingly efficient 800 milliamps! All RAM is conventional, socketed 1-megabit by 1, 120ns DIP RAM. For maximum flexibility, memory space is divided into two autoconfiguring devices-PIC's. Each consists of two banks of 16 sockets. Possible memory sizes are 2, 4, 6, and 8MB. \$159 and up. \$159.00

*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

### 8MB Memory Board

An external memory board for the A1000. Features: auto-config, disable switch, pass-through; fully socketed for easy memory additions. \$295.00

*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

### A2058 RAM Expansion Board

A 2MB RAM expansion for the Amiga 2000, 3000, and 4000 series computers. Expandable to 8MB. \$349.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### A500 Plus II: 2MB Chip RAM

Provides 2MB chip RAM for A500. Installation requires A500 to be opened. Installation well documented, but not suitable for beginners. \$219.00

*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

### AX 1000/AX 2000 RAM Board

The AX1000/AX2000 is an auto-config 1MB or 2MB meg RAM board for the A1000. Both have full pass-through on the expansion bus, allowing multiple expansion devices to be connected, allowing to expand the A1000 system as the need arises. Prices are: \$299-

\$399 Canadian.

*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

### AdRAM 2080

Easily adds 2, 4, 6, or 8MB of autoconfiguring RAM to an Amiga 1500, 2000, 2500, or 3000. Price shown is for unpopulated board. \$109.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### AdRAM 505

Half-sized card adds 512K of RAM to the Amiga 500 through the slot under the keyboard. Price shown is for unpopulated board. \$29.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### AdRAM 510 Plus

Adds 512K or 1MB of additional chip RAM to the Amiga 500 Plus. Price shown is for unpopulated board. \$39.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### AdRAM 540

Adds up to 4MB of RAM internally for the Amiga 500. RAM can be added one-half MB at a time. Price shown is for unpopulated board. \$109.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### AdRAM 560D

Adds an additional 2MB of RAM to an Amiga 500. Requires AdRAM 540 with at least 512K installed. Fully populated. \$239.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### Ammeg I A1000

Memory expansion for the A1000; has 1MB of memory. External. Zero wait state design, auto-configuration under 1.2. Populated board available. OK Board \$163.95

*Kline-Tronics, 10 Carlisle Ct., York, PA 17404; (717) 764-4205*

### BASEboard

The BASEboard is a 4MB memory upgrade card for the Amiga 500's A501 slot. With the optional daughter card the total can be increased to a total of 6.5MB. The BASEboard provides a battery-backed clock, works with both the 512K and the 1MB versions of the Agnus chips, and is 100% compatible with all Amiga software. The BASEboard features 'plug in' installation without any soldering for both Agnus chips. The memory board utilizes special four layer construction allowing you to use any speed memory from any manufacturer. The 4 x 8 socketed memory array uses industry standard 256 x 4 DRAMS and the memory can be increased in 512K increments. Its low power design does not require extra power and its location leaves the expansion bus free for additional peripherals. Optional contiguous memory mapping is available up to 6MB with the OVERboard. OK memory. \$149.95

*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890*

### BattDisk

A battery-backed very fast Static RAM Disk for the A2000 & A3000. Provides up to a 2MB Static Ramdisk that is easily expandable from 0K, in 64K or 256K increments to 2MB. Does not take any Amiga memory expansion space. Will survive power down. Device is fully autobootable under 1.3. Excellent for multimedia applications or animations where you need access. Data transfer rates up to 2.7 MB per second. Can be hardware or software write-protected. Also available in an Eprom version, for use in turnkey systems. \$269.95 w/OK.

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

### Cortex 512K RAM Expansion for A500

Low power 1MB RAM chips. Enable/disable switch. Fat Agnus compatible for 1MB Chip RAM. Available with or without battery-backed clock/calendar module.

*Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England; (011) 4451-236-0480*

### Cortex 8MB RAM Expansion for A1500/A2000

Fully implemented auto-configure. Zero wait-states. Uses standard 1MB x 8 or 9 bits SIMMS. Available as 2MB, 4MB, 6MB, or 8MB.

*Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England; (011) 4451-236-0480*

### Cortex 8MB RAM Expansion for A500/A1000

Fully implemented auto-configure, operational through-bus. Has its own power supply. Zero wait states. External fitting-warranty remains intact. Available for 0MB, 269.; 2MB, \$399.; 4MB, \$529.; 8MB, 759.

*Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England; (011) 4451-236-0480*

### DataFlyer

The DataFlyer is a full-featured hard drive controller for the Amiga. This non-DMA hard drive controller is available in SCSI or IDE models. The DataFlyer controller has all the standard features of products costing twice as much and more. The IDF clocks test speeds of 825K reads and writes using the Diskspeed tests. The DataFlyer 500 and 1000 includes a chassis that easily plugs onto the Amiga expansion bus and accepts your choice of any 3.5-inch hard drive unit. The cards in the chassis can be removed and installed in an expansion card slot of any Amiga 2000. An additional 8MB of RAM can be added to any controller (now or later) with the optional DataFlyer RAM board. A long list of features insures ease of operation. Options include DB25 SCSI pass through, hard card rails and power supply for the DataFlyer 500. Prices for the hard drive controller with autoboot range from \$89.95 to \$249.95. Prices for the hard drive controller with autoboot and expansion memory range from \$209.95 to \$369.95.

*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Memory Expansion

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## EXP-8000+ w/2MB

Fully internal 2, 4, and 8MB expansion board for A500. Has coprocessor sockets for adding a 68010 or 16-25 MHz 68881 coprocessor, w/2MB installed. \$349.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## FastRam for A1000 (option)

FastRam board for the A1000. Installs in the SA10 host adapter. Order #FR10. \$85.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## FastRam for A500 (option)

FastRam board installs in SA-5 host adapter to allow memory expansion to 8MB using FastSimm modules. (FastSimm modules may be purchased separately). For the A500. Order #FR5. \$75.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## FastRam with 2 meg

FastRam board with 2-1MB memory modules installed. For the A500, order #FR5-2; \$175. For the A1000, order #FR10-2; \$185.  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## FastRam with 4 meg

FastRam board with 4-1MB memory modules installed. For the A500, order #FR5-4; \$275. For the A1000, order #FR10-4; \$285.  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## Insider II

Allows A1000 owners to add up to 1.5MB of Fast RAM internally. User Expandable in 512K increments using 256K x 4.0 RAMs. Includes battery-backed clock calendar. Comes with software for the clock and testing RAM. Simple installation, no soldering required. The Insider II is compatible with the Kwikstart Rom board. \$199.95 w/ OK.

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

## KwikStart II

Allows A1000 owners to install a V1.3 and V2.0 Kickstart Rom in their A1000. Will let you upgrade to the latest operating system without using up your system memory. You can still boot from disk-based Kickstart if needed. Compatible with the Insider and Insider II. From the maker of the first internal Fast RAM expansion board for the A1000. \$69.95 w/o RAM. \$69.95

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

## M502 1MB Standard RAM Expansion

The M502 is a high quality, 1MB standard RAM expansion for the Amiga 500 Plus (increases total chip RAM to 2MB). User installable. Chips are socketed and replaceable. Totally compatible with A500 Plus. French, German, and other language support for included documentation; worldwide distribution. \$59.00

*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## MM 2150 Mega-Memory Board™

A 2, 4, or 8MB 32-bit DRAM daughterboard for Mega-Midget Racer. Programmable DRAM controller allows for use of 100ns to 60ns DRAM chips. Faster RAM provides faster

throughput. Allows for 19MB RAM to be installed in any Amiga. Surface-mount design saves space, enhances reliability. Prices start at \$289.

*CSA/Computer System Assc., 7564 Trade St., San Diego, CA 92121; (619) 566-3911*

## MegAChip 2000/500

Allows Amiga 2000 and Amiga 500 owners to expand their 512K or 1 MB Chip RAM to 2MB of Chip RAM. Uses the 2MB Agnus that is used in the A3000. Doubles the amount of RAM accessible to the Amiga's custom chips. Excellent for DeskTop Video or Publishing. Expands your capabilities for 3-D rendering and animations, graphics design, and digitizing. \$299.95

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

## MegAChip 2000/500 With 2MB Agnus Chip

MegAChip 2000/500 Graphics Memory board now sold with 1MB RAM on board and 2MB Super Agnus chip. Installs in Agnus socket on motherboard. Will autoconfigure using 1MB RAM already in A2000/500 as 2MB contiguous block of chip RAM without any special software. A500 must have expansion board that works as second 512K of chip RAM (A501) installed to work with MegAChip 2000/500 or will configure as 1.5MB chip RAM. \$349.95

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

## Memory for Amiga

Memory expansion for the A500, A1000, and A2000. For the A500 we offer 512K to 8MB of internal and external (leftside) memory. For the A1000, we offer 512K of internal and external (rightside, frontside) memory. And for the A2000, we offer 512K to 8MB of internal memory expansion. \$49.95 to \$499.95. NTSC, PAL, AmigaDOS 2.0 compatible.

*Skyles Electric Works, 10301 Stonydale Dr., Cupertino, CA 95014; (408) 737-1632*

## Meta4

Meta4 is a zero-wait state memory expansion card for the A2000. Using state of the art SIMM memory modules, either 512K, 1MB, 2MB, or 4MB of RAM may be plugged into Meta4's four low profile sockets. The 512K and 1MB increments are available using 256K x 8 SIMMs while 2MB and 4MB increments are available using 1MB x 8 SIMMs. Meta4 measures in at 1/2 the length of a standard Amiga card and is specially designed to fit in their Trumpcard 500 enclosure along with the Trumpcard SCSI disk controller and the SCSI disk drive. Power consumption is kept to a bare minimum with smart refresh circuitry that draws less than one amp when fully populated with 4MB of RAM, and fully loaded, Meta4 consumes less than five watts. \$99.95

*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## OVERboard

The OVERboard plugs onto the BASEboard and provides an additional 2MB of memory. It brings your Amiga up to 6.5MB of internal memory. The mapping provides 4MB contiguous memory blocks with optional mapping available that increases it to 6MB. It comes with 512K installed and sockets for an additional 1.5MB. The OVERboard also utilizes worry-free four-layer construction.

\$129.95

*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890*

## RA5 Series Internal RAM Card for Amiga 500

RA5-512K—512KB RAM card. RA5-2M-2—2MB RAM card, with 512KB CHIP-RAM and 1.5MB Fast-RAM. RA5-2M-0—0-2MB RAM card unpopulated. Easy to install on the A500. Supports reset-proof RAM disk, fully compatible with hard disk. Supports On/Off switch to Enable/Disable expanded RAM. \$39.95

*Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

## RC-1000

2-4MB memory upgrade for A1000 with 2MB on board. \$185.00

*GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

## RC-2000

A 2-8MB memory upgrade for A2000 with 2MB on board. \$199.00

*GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

## Supra RAM 2000

RAM board for the A2000. Easy to expand. Zero wait states and hidden refresh. Four-layer board reduces noise and improves reliability. Made in the USA. 2MB \$219.95, 4MB \$299.95, 6MB \$379.95, 8MB \$449.95. Five year warranty.

*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## SupraDrive™ Floppy Disk Drive

Quiet, reliable floppy disk drive works with all Amiga computers. 1MB unformatted capacity. Pass-through port for connecting additional drives. Virus protection and anti-click noise reduction. \$149.95

*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## SupraRam 500RX

The SupraRam 500RX is a 1/2 to 8MB external FAST RAM expansion that lets the A500 user run larger and more sophisticated programs and create large, very fast RAM disks. The board fits into a compact case that easily plugs onto the computer's expansion port. It features an Amiga bus pass-through that allows the user to connect additional devices. It uses zero-wait states and hidden refresh for optimal speed, and features a test mode and diagnostic software to simplify troubleshooting. 1MB \$169.95, 2MB \$249.95, 8MB \$579.95. One-year warranty.

*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## The DataFlyer RAM

The DataFlyer RAM is a 4/8MB memory board that plugs onto the DataFlyer interface or can be used as an A2000 card in a 100 pin slot. Using 256 x 4 DRAMs, memory can be added in increments of 512K up to 4MB. Using 1MB x 4 DRAMs (DIP), memory can be added in increments of 2MB and up to 8MB. OK memory. \$119.95

*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890*

## VXL RAM-32 (2MB/Burst)

RAM-32 for the VXL-30 accelerator. 2MB of

(continued on page 123)

# Video Toaster

## ◆ TOASTER ◆

### AutoPaint

25 Screen Templates that automatically composite pictures using framestores and 24-bit RGB's or IFF's in Toaster Paint. AutoPaint controls Toaster Paint and will shrink and place your pictures where you want them. This program has a simple point and click interface with 3 levels of adjustable auto beveling and drop shadows. Help has arrived - What took hours now only takes minutes. VHS demo tape \$5.00 Requires Toaster and 8 Megs of RAM. \$149.00

A+ Development, 7970 S. Madison Ave., Burr Ridge, IL 60521; (708) 654-0321

### Background Bits 24

This is a collection set up for those either titling with a Video Toaster or any other 24-bit program that accepts a 736 x 480 overscan ability. Graduated shades in blue, gold, and greens, shaded boxes, gridwork, and brushes to create your own are packed on these two handy disks. \$28.00

CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224

### Fighter Duel Pro Flight Recorder

This flight simulator adds ability to create realistic, complex motion paths for use with LightWave 3D. Can also generate FDP demo reels to review flights. Create in minutes an aerodynamically correct flight path that once took years, or a company's logo move that took weeks. Simultaneously records position and attitude information for three aircraft at 30 frames/sec for 45 mins on 9MB system. Motion paths are then imported into LightWave 3D to animate flying objects, camera viewpoint, aircraft, logos. Control 2nd and 3rd aircraft by computer or via serial port link. Requires min 3MB, Kickstart 1.2 or higher. Hard drive recommended. \$79.95

Jaeger Software, 7800 White Cliff Terrace, Rockville, MD 20855; (301) 948-6862

### Full 24

Professional scanned 24-bit images/brushes for people who work with desktop video, 3-D rendering/animations, and graphic design. Great for Video Toaster 2.0 and Imagine owners who need a background and/or texture ready to use. Package includes: Backgrounds, Textures, Brush Maps, Space/Stars Scenes, and Bump Map. Demo kit: \$10. \$149.95

AirStream Graphics, PO Box 291090, San Antonio, TX 78229-1690; (512) 436-1354

### MONTAGE

MONTAGE, the first 3rd party application for the Toaster, features realtime font scaling in 16 million colors with ultra high level anti-aliasing for effective resolution of 1 nanosecond. 24-bit image compositing and processing with auto Toaster sequencing of up to 999 pages. Improved Toaster output signal and NTSC filter for reduced dot crawl and rigging. 8 Master typefaces included. Network caliber graphics in minutes. Requires A2000 or A3000 with Toaster 2.0, 8MB fast RAM and 1MB chip RAM, hard drive with 8MB free, Amiga 2.0 with accelerator strongly recommended. \$499.95

InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800

### Mastering Toaster Technology

256-page book written by former Video Toaster Product Manager; Brent Malneck. Step-by-step guide to Toaster system design, 3-D logo creation, rotoscoping and what to charge for your services. Software included to convert any IFF brush to Toaster, CG colorfonts, custom switcher wipes, laser scanned 3-D objects and a color clip-art font. Requires Amiga w/Toaster. \$49.95

Positron Publishing, 1125 South 119th St., Omaha, NE 68144; (800) 593-2141

### Motion Man

Fully articulated 3-D model derived from and identical in structure to CycleMan for Imagine, but accommodates demand from LightWave users for human figure. Developed by Tim Wilson and Thomas Hollier. For both sophisticated and casual users. Comes as complete set of 60 body parts which are automatically assembled by included LightWave scene file. Includes manual and 3.5 x 4.5 print. \$149.95

Anti Gravity Products, 456 Lincoln Blvd, Santa Monica, CA 90402; (310) 393-6650

### Personal Switcher

Allows linear mixing of synchronized video sources for true fading, wiping, and keying via any 0-1V key input. The four-input version will allow for layered keying and three independent key inputs. Can be used with multiple Video Toasters to provide truly amazing effects or with other video equipment. Fits in XT card slot in any Amiga 2000/3000 or PC. NTSC/PAL.

Electronics To Go, 9896 SW Freeway, Houston, TX 77074; (713) 933-0788

### Pixel Perfect 24

Gigantic 93MB collection of 16-million color backgrounds and clip art, providing 150 full-screen 752 x 480 images in 24-bit color. Perfect fit for Video Toaster 2.0, all images processed for 105 IRE limit for assured broadcast video compatibility. Original scenery images, TV-network style backgrounds, graphics, maps, American themes, 'text bars,' more. Comes as 46-disk collection (or on 44-MB SyQuest by special order) in JPEG compression format. Thorough, fully indexed instruction manual, tips, cross-referenced listings. NTSC. Requires 2MB. Disk collection: \$399.95, SyQuest: \$499.95. Two-disk HAM preview set (all 150 images): \$10, fully refunded with Pixel Perfect 24 purchase (add \$3 for 2nd day priority mail).

Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593; (919) 642-6295

### REXX PLUS Compiler

Compiles Video Toaster AREXX scripts, and generates executables that are as much as 18 times faster. Version 1.30 generates 50 to 60% smaller programs with the new run-time library option and 10% smaller programs with the default options. Provides more processing time for the Video Toaster, Infra Red controllers, Digitizers, Paint Programs and other AREXX controlled software. The Compiler eliminates ToasterAREXX.port and GENLOCK AREXX PORT function host look-ups by resolving host function calls at compile-time. The compiler includes and supports the rexxsupport.library, rexxmathlib.library, and rexxplstnd.library functions as part of the language (built-ins). The REXX RAINBOW Library Series libraries are supported as external support libraries or as part of the language (built-ins). The Intuition interface allows the most novice user to compile REXX programs at a touch of a button. It generates more explicit error messages with a line and a column number, and finds most errors with a single compile. The REXX Variable Interface is supported by the REXX PLUS Compiler giving direct access of symbols to both Hosts and libraries. Compiled programs can be invoked directly from the Workbench, for the CLI as a command, or from any Host. Programs can be distributed as commercial products, as freely redistributable, or to your friends (run-time licence fee no longer required). Compiler requires 1MB. Compiled programs require AREXX and a minimum of 500K. AmigaDOS 1.3, 2.0, and 3.0 compatible. \$150.00

Dineen Edwards Group, 19785 West Twelve Mile Road, Ste. 305, Southfield, MI 48076-2553; (313) 352-4288

Please see display ad page in color section.

### RouteMeister RM4X4VC

Amiga controlled routing switcher. Software includes workbench CLI and AREXX interfaces. The RM4X4VC is a 4 input, 4 output video and stereo audio switcher with audio-follow-video and audio breakaway. Software also supports Commodore's A2232 multiserial card. Other routing switcher configurations available by Summer '93. Requires any Amiga W/512k RAM & serial port. (A1000 requires adapter) \$499.00

Computer Video Solutions, Inc., 14-B S. 7th Street, Akon, PA 17501; (717) 859-2049

### Scriptgen

AREXX script generator lets you create slideshows for Video Toaster 1.0 and 2.0. Works quickly and easily with hotkeys. Trim and Expand function edits length of script evenly. Allows use of CG DVEs. Change from 1.0 to 2.0 DVEs by changing projects, change book, auto fades, backgrounds, and GPI triggering via joystick or mouse to make transitions at exactly the time you wish. No need to learn command order; Scriptgen already knows it. Just choose frame pictures and CG pages and Scriptgen puts them together. Scripts may be edited with your word processor. Playback is even easier than creating. \$49.95

Troy Soft, 240 West Shores Rd, Orange Park, FL 32073-8133; (904) 264-TROY

### TDL487 Video Delay Line

Designed specifically for use with Video Toaster and Amiga. Toaster has internal 400+ nanosecond delay which must be accounted for when integrating it into broadcast or post production use. Toaster users must time their system to compensate for this 400+ nanoseconds by adding delay to other video signals they intend to use in conjunction with the Toaster. Delay Line provides a 360-nanosecond fixed delay and a 127-nanosecond switch variable delay to compensate for the Toaster. With Delay Line, all video signals can be easily timed to the Toaster video signal. It can also be used for timing inputs 2, 3, and 4 on the Toaster to input 1. NTSC and PAL available. \$275.00

Allen Avionics, Inc., 224 East Second Street, Mineola, NY 11501; (516) 248-8080

### TDL488-T Video Delay Line

This second Video Delay Line has all original features plus advanced features such as +/-1 ns fine trimmer designed specifically for Video Toaster and Amiga computer-video systems. All video signals can now be easily timed to Toaster video signal. \$325.00

Allen Avionics, Inc., 224 East Second Street, Mineola, NY 11501; (516) 248-8080

### TREXX Professional

Control the Video Toaster without additional hardware or programming knowledge. Quickly and easily create scripts that have accurate time delays, loops, GPI events, DOS commands, and more. Link scripts together, edit up to six scripts simultaneously, control VTRs and laser disc players via the serial port(s), run scripts from icons or from within TREXX Professional. Powerful copy, paste, comment, find, and undo features. Full intuition interface. NTSC/PAL. Requires 68000, 1MB, AREXX. AmigaDOS 1.3 and 2.0 compatible. \$129.95

KludgeCode Software, P.O. Box 1163, Holland, MI 49422-1163; (616) 786-0740

### Toaster Cozzy

Allows Video Toaster card to work properly in A3000. No warranties are voided, as no modification to any product is needed. Also works with A2000 or even A500 with video slot installed. Includes 65-watt regulated power supply with 'slaved instant-on' feature. Also provides stable black burst generator with 5 BNC video output. Heifner also provides complete Toaster workstations based on newest A3000. \$790.00

Heifner Communications, Inc., 4451 I-70 Dr. N.W., Columbia, MO 65202; (800) 445-6164

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Video Toaster

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Toaster Oven

For use with A3000 motherboard. Gives you a 275-watt power supply. Room for 11 drives: six 5.25 drives and five 3.5 disk drives or other optional peripherals. Expansion card has seven slots, giving you the ultimate workstation. Two cooling fans. Currently equipped with 110 V, 60Hz, 220 V, 50 Hz. \$399.95  
*Ambitious Technologies, 2713A Rockefeller Lane, Redondo Beach, CA 90278; (310) 379-1425*

## Toaster Toolkit

Four utility programs: AnimFX converts animations to REAL Toaster wipes and action/sports effects. Toaster Sequence Editor creates script files to perform effects; load, grab, and save frames; display CG pages; also time delays, looping, GPI input and serial output. Toaster Project Editor creates custom project files to rearrange effects and adjust timing; also creates MacroFX to run programs and scripts from the Switcher. FrameStore Compressor reduces disk space needed to store Toaster 2 FrameStore images. Compatible with AmigaDOS 1.3/2.0 and Toaster 1/2; ARExx not required. \$225.00  
*Byte Factory, The, PO Box 891771, Oklaboma City, OK 73189-1771; (405) 631-BYTE*

## United States - Lightwave Objects

Accurate 3D Lightwave Objects of the United States and individual states. Each state is available separately extruded or flat. Individual states load into their proper position in the U.S. map. Each state has its own surface name, and extruded states have separate names for the side surfaces. Useful scene files are also provided. States can be manipulated independently. Requires A2000/3000, Toaster and accelerator. \$29.95  
*The Associated Image Group, Inc., 14900 Landmark Blvd., Suite 600, Dallas, TX 75240; (214) 788-0066*

## V-LAN™ Driver

Allows Newtek's Video Toaster to be automatically controlled from any V-LAN compatible controller, such as the SuperMICRON. Both mixes and wipes are supported, with 10 wipes being selected directly from the controller and the other wipes set up on the Toaster. The V-LAN compatible machine controller connects directly to the serial port of the Amiga. Includes disk that contains ARExx file for Toaster directory. Driver also provides for frame-by-frame animation control performed from Amiga serial port via a V-LAN compatible animation controller.

*Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111; (800) YES-VLAN*

## Video Toaster

The Toaster is a broadcast-quality video computer which sits inside the Amiga. It has four VLSI custom chips and its own RAM. It does not use Amiga output, but rather produces its own output. The Toaster will be shipped with a character-generating program, with Toaster Paint (a 24-bit paint program) and Toaster 3D due later this year. The Toaster includes a seven-channel production switcher which will switch between seven stable (i.e., camera or time-base-corrected tape) sources and provide dissolves and wipes. The Toaster is also a broadcast-quality genlock, frame grabber and digitizer. The Toaster is also a DVE (Digital Video Effects) unit with real-time manipulation of live video. Over one hundred pre-programmed effects will come with the first release of the Toaster with more available later. The Toaster also includes dual frame buffers (which will also work with standard 24-bit IFF RGB files such as those produced by Sculpt and Silver). Output from the Toaster is straight, 24-bit, 16-million color, broadcast-quality NTSC. \$1595.00  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

## Video Toaster 2.0

The new 2.0 system is over twice the size of the original shipping system and contains 50% more effects. Whole new modes include real-time warping, soft-edge transitions, and organic effects like clouds, pouring liquid, fire, tearing paper, and breaking glass. Features include a completely revised object modeler, faster rendering along with over 100 new features in LightWave, a sharper luminance key mode that eliminates the edging commonly associated with keys, improved output specifications, new fonts, more objects, and a new

alpha channel mode that will enable the frame buffers to be used for 32-bit applications. The new ToasterCG features almost instant loading of text screens, more scrolling speeds, greater integration between ToasterPaint and ToasterCG, a special Workbench utility that allows the Toaster Genlock to be controlled while other software is running, and a long list of file compatibility. Upgrades \$395. \$2495.00  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

## Video Toaster Workstation

An entire television studio full of equipment, compacted into one easy-to-use tool. This self-contained system requires no host computer, but is compatible with many graphic file formats from a variety of personal computers. It comes ready to operate with video switcher, digital effects, 3-D animation, broadcast paint 35ns character generator, frame grabber, still store, and more. \$3995.00  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

## Video Toaster Workstation/30

The Workstation/30 has all the functions of the standard Toaster Workstation but adds the additional power of Motorola's 68030 processor running at a blistering speed of 50 MHz. Enhanced specifically for the needs of 3-D animators and videographic artists, the Workstation/30 provides the horsepower to take on large 3-D rendering projects. It also has a 68882 math coprocessor running at 50 MHz to speed complex graphics calculations up to 20 times. \$8995.00  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

## ◆ TOASTER FONTS ◆

### 1st Prize Toasted Fonts

These fonts are used in the Toaster CG SCROLL & CRAWL pages only. They have crisp, well-formed letter shapes, absolute minimal computer pixel jaggies, uniformity of proportionality, and legible default 'kern' letterspacing optimized for video technology. Customers are also given an opportunity to acquire the original bitmaps from which these Toasted Fonts are created (sold separately), so their investment is protected by allowing them to achieve uniform results from their other Amiga software and hardware purchases. Retail price for these products is \$69.95 each package or \$249.75 for the whole five sets.

*Allied Studios, 482 Hayes Street, San Francisco, CA 94102; (415) 863-1781*

### A\*Video Professional Font System 1.0

Professional video and paint program fonts. Artist-designed, sculptured, specialty, and plain (serif and sans serif) Workbench-compatible bitmap fonts. Includes free toaster-format conversions. Over a dozen typefaces in 2-6 sizes each, from 30 to 130 pixels high. Video-legal, switchable palettes, upper/lower case and symbols. Also includes Master Kit for Eurofonts so add foreign language modules as you need them. 3MB or more recommended, 6MB or more for Toaster versions. \$249.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

### AmiVideo Fonts 2.0

Large English language fonts for paint and video applications. Artist-designed collection of antialiased color and monochrome bitmap fonts from 30 to 130 pixels high. Includes video-legal switchable palettes, microkerning, upper/lower case and symbols; lots of sizes and typestyles. Amiga-workbench compatible. Toaster conversions included free. Extensive documentation, font utilities, and sample printouts. 1MB Chip/3MB Fast RAM recommended. \$149.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

### Apogee 3D Fonts Collection

The Apogee collection is a set of 3-D fonts specifically designed for broadcast video and to take advantage of the advanced features of the Lightwave 2.0 modeler. The ten fonts are: Helvetica, Times, Courier, Chancery, Cooper, AvantGarde, Brush Script, Futura, Eurostyle, and Symbols. Each font contains all upper and lowercase letters plus eight symbols—a total of 700 objects! \$60.00  
*Digital Arts, 20515 SW 114 Ct., Miami, FL 33189; (305) 378-8734*

## Bread & Butter Fonts

For use only with Toaster. Seventeen styles each in 26, 38, 50, and 66 scan line sizes. Anti-aliased, ready to use. No conversion, no half-pint fonts. \$99.95

*Sheriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## CALLIGRAPHY FONTS: Video

Gorgeous nordic, Old English, script, and decorative fonts for those special applications: titling, wedding videos, cable access. Seven typefaces, two to six sizes of each font. Two file formats: Toaster and Broadcast Titler. English characters only. Lots of RAM recommended. Excellent documentation and install utility included. \$139.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## Cinnamon Toast Fonts, Volumes 1 and 2

The first alternate multi-color fonts available for NewTek's Video Toaster. Cinnamon Toast Fonts are dimensional multi-color font styles created in 24-bit color values and converted to NewTek's ToasterCG 16-bit video font files. This first set is a four-disk package with six styles in two sizes each for a total of 12 fonts. The fonts were designed for headline or program titles and range from 44 to 64 scan lines in height. Styles are Ice, Hammered, Contrast, Scout, Engrave, and Jewell. \$99.95  
*Sheriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006; (503) 626-2022*

## HEADLINES 4

HEADLINES 4 consists of four fonts from the popular TOASTER FONT 3 & 4 series converted to the 8-color Hi-Res ColorFont standard for all ColorFont compatible programs on the Amiga. Each one of these dimensional looking type styles come in three sizes. The font styles are KaraGOTHICserif, KaraROMANextrude, KaraChiselSCRIPTroman, & KaraBRUSHED. Every font includes the full character set of CAPS, Small Caps or Lower Case, numerals and special characters. Includes a Hard Drive Installation program, additional RGB and Video palettes, and utilities needed to use ColorFonts. \$79.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-TOASTER FONTS 1

Anti-aliased 16 million color fonts for the Toaster CG. This font package will give Toaster users the professional broadcast quality 'look' to use for titling. There is a wide variety of 3-D looking texture treatments and type styles. This package, containing six disks, has four different fonts in two sizes each. Every font includes the full character set of CAPS, Lower Case, numerals, and special characters. Includes a Hard Drive installation program. TF1 contains four distinctive fonts in styles of shiny and metallic surfaces. Fonts included are Chrome, Gold, Goldextruded, and Inflated. \$99.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-TOASTER FONTS 2

Anti-aliased 16 million color fonts for the Toaster CG. This font package will give Toaster users the professional broadcast quality 'look' to use for titling. There is a wide variety of 3-D looking texture treatments and type styles. This package, containing six disks, has four different fonts in two sizes each. Every font includes the full character set of CAPS, Lower Case, numerals, and special characters. Includes a Hard Drive installation program. TF2 consists of four textured fonts in four different type styles. Comes in textures of Marble, Granite, Wood, and Brass (brushed). \$99.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-TOASTER FONTS 3

Shiny caps and small caps fonts with Outline, Drop, and Cast shadows designed specifically to address certain limitations of Toaster with ChromaFonts. Includes option to install compressed fonts with Hard Drive Installation program, and use them in compressed state, saving 40%-50% of their hard drive storage space. Styles: Chiseled Gothic serif in Gold and Metal, Roman face with shiny gold extrusion, and beveled Gothic Italic.

Each comes in two sizes, includes full character set of caps, small caps, numerals, and special characters. Six-disk set. \$99.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## KARA FONTS-TOASTER FONTS 4

Four shiny script and cursive fonts designed specifically to fulfill need for scripts and cursive styles. Includes option to install compressed fonts with Hard Drive Installation program, and use them in compressed state, saving 40%-50% of their hard drive storage space. Styles: Chiseled Roman script in Gold and Metal, casual Brushed script, and Calligraphic face. Each comes in two sizes, includes full character set of caps, lower case, numerals, and special characters. Five-disk set. \$99.95

*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291; (310) 578-9177*

## MONTAGE Fonts 1

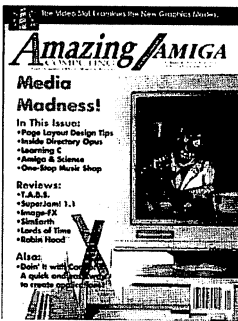
MONTAGE Fonts 1 offers the professional Toaster user increased flexibility and creativity. 10 additional scalable master typefaces for use with the program. Instantaneous click and drag scaling and stretching on any number of characters. All ultra high-level anti-aliased with small caps included. MONTAGE is the definitive solution for titling, image composition and effects presentation on the Video Toaster. Requires Amiga w/ Video Toaster 2.0 and MONTAGE installed. \$199.95  
*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577; (510) 638-0800*

## Masterpiece 3D Fonts for LightWave

50 3-D fonts for LightWave. All include upper case and numbers. 48 also include lower case. Each letter a separate object. Over 3000 objects. \$99.00  
*ARock Computer Software, P.O. Box 731, Springfield, MO 65801; (417) 866-8803*

## Masterpiece Toaster CG Fonts

All 110 fonts from the Masterpiece Professional Font Collection have been converted to the Toaster CG format, ready to load and use immediately. These fonts only work with the Video Toaster CG. \$99.00  
*ARock Computer Software, P.O. Box 731, Springfield, MO 65801; (417) 866-8803*



"I can't think of a better way to enhance my Toaster..."

# Memory Expansion

continued from page 120

60-ns 32-bit wide memory. Supports high-speed burst mode. Autoconfigs. Supports DMA transfers. Can be optionally mapped at hex 8 000 000. Kickstart can be mapped to memory even without MMU. Has socket and logic support for alternate Kickstart ROM (i.e., AmigaDOS 2.0). Can be used as 16-bit wide memory when in 68000 mode. French, German, and other language support for included software and documentation; worldwide distribution. Requires A500 or A2000 with VXL-30 installed. \$299.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## VXL RAM-32 (8MB/Burst)

RAM-32 for the VXL-30 accelerator. 8MB of 80-ns, 32-bit wide memory. Supports high-speed burst mode. Autoconfigs. Supports DMA transfers. Can be optionally mapped at hex 8 000 000. Kickstart can be mapped to memory even without MMU. Has socket and logic support for alternate Kickstart ROM (i.e., AmigaDOS 2.0). Can be used as 16-bit wide memory when in 68000 mode. French, German, and other language support for included software and documentation; worldwide distribution. Requires A500 or A2000 with VXL-30 installed. \$799.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## ◆ 32 BIT MEMORY EXPANSION ◆

### DKB 2632

A 32-bit memory expansion board for the A2500/A2630 accelerator card. Allows 32-bit memory beyond 4MB. The board is expandable to 112MB using 32-bit wide SIMM modules. Allows use of different size memory modules in one bank. The 2632 RAM is faster than the RAM on the 2630 card and has full Burst mode support. Excellent for use in video graphics, animation, and publishing applications. Requires A2000 with CBM 2630 accelerator. AmigaDOS 1.3/2.0 compatible. Price stated is for 4MB. \$549.95  
*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

### ProRAM 3000

64MB memory expansion board for A3000 series computers. 32-bit design allows use of 1MB x 8 and 4MB x8 low-cost 80 ns page/static column mode SIMM modules. Supports many configurations from 4MB to 64MB. \$449.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## ◆ MEMORY EXPANSION ◆ W/CLOCK

### 501-s Memory+Clock

Half a MB, Clock, and Switch for the A500! When you add the inboard 512K memory and clock module to your A500, make it a MicroBotics-brand, plug compatible work-alike. Its built-in switch allows you to shut it

down without having to uninstall it when ill-behaved software expects no more than 512k in your Amiga. The M501-s uses high-quality 256K-by-1 CMOS memory chips and a long-life, user replaceable lithium battery. Set the Microbotics clock using the same software on your Workbench disk as you use for the Commodore clock. \$49.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

### A601 RAM Expander

The A601 is a 1MB internal RAM expansion card with battery back-up and clock/calendar for Amiga 600 series. \$120.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Power PC Board™

IBM PC emulator for Amiga 500 and 2000 computers. 1MB PC RAM. Supports Hercules, CGA, VGA, and MCA monochrome and 16-color modes. Includes clock/calendar and DOS software. \$399.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

### Pyramid 4MB RAM Expansion W/OK

This Omni-Eureka 4MB RAM expansion w/OK provides battery backed clock calendar as well as 4MB RAM. With more applications requiring additional RAM, this board is ideal for A500 owner. Uses 256K x 4DRAMs; expandable in 512K increments. Can also be configured to provide additional 512K chip RAM for use with Fatter Agnus. \$89.95  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### Pyramid 512K RAM Expansion

This A-501 clone from Omni-Eureka comes fully populated, and includes battery backed-up clock and calendar. Very reliable for A500 expansions because it uses only four memory chips, ZIP-style 256K x 4DRAMs. About 1/4 size of original A-501. \$74.95  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### RC-500

A 512K memory upgrade for the A500 with clock/calendar. \$55.00  
*GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

### SupraRAM™ 500

This 1/2MB memory expansion includes battery backed-up clock/calendar. Easy to install in expansion slot on bottom of Amiga 500. \$69.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Video Hardware

## ◆ VIDEO HARDWARE GENERAL ◆

### A3000 Power Retrofit

A stock A3000 power supply does not have capacity to power its expansion slots for extensive video applications (i.e., the Taoster and two TBCs). Your original A3000 power supply is converted to 230 watts. One-day turnaround time. Price includes shipping. \$89.95  
*Luma Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232; (813) 378-5791*

### ACS Harlequin Workstation

Complete, 32-bit, Harlequin-based videographics workstation, including 2-D painting, 3-D modeling, animation and ray tracing, image processing/enhancement, and video digitizing. 16 million color graphics plus 8-bit linear keying. \$10,000.  
*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

### AirLink 3.0

The Amiga Infra Red (AIR) Universal Remote Controller. Control any IR remote control equipment via ARExx, mouse, menus, hotkeys, MIDI events, serial, or parallel ports. Hardware includes IR receiver, IR transmitter, and IR output jack, mouse cable, and super-bright IR LED external adapter. Make your own AIR windows (screen duplicates of IR remote controllers) from IFF brushes. Includes library of AIR window devices: LDs, CDs, VCRs, X-10, etc. Many ARExx and other multimedia examples. New 'InfraRExx' super I/O interface ARExx host software enhances your multimedia applications. AirLink is used in dedicated Amiga OEM systems worldwide. Requires ARExx. \$80.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136; (404) 822-0566*

### Color Splitter

For use with Digi-View, this electronic color splitter allows users to capture color images from VCR, LaserDisk, CamCorder, or any still NTSC video source without using color filters. \$150.00  
*MicroSearch, Inc., 9000 US-59 South, Ste 330, Houston, TX 77074; (713) 988-2819*

### Complete Color Solution

Image capture system for the Amiga. Consists of hardware and software: Vidi-Amiga, real time mono digitizers, Vidi-Chrome Amiga, and Vidi-RGB. NTSC/PAL. Requires 1MB. \$379.95  
*Rombo Ltd., 2 Baird Rd, Kirkton Campus, Livingston EH54 7AZ, Scotland; 011-44-506-466-601*

### DPS Personal V-Scope

Waveform monitor/vectorscope on a plug-in PC card. Provides full or quarter screen representations of waveform and vector displays on your video monitor with better than 1% accuracy. NTSC and PAL. \$995.00  
*Digital Processing Systems Inc., 11 Spiral Drive, Florence, KY 41042, Int'l: Scarborough, Ont., Canada; (606) 371-5533*

### DQ-TACO Toaster Animation Controller

This single slot, board-level video animation controller is designed to work within the Amiga 2000/2500 series with the Newtek VideoToaster, as well as within the Amiga 3000 series with other graphics applications. The controller has a seamless interface to LightWave 3D and can be expanded to control multiple serial VTRs for editing and multimedia applications. Features include accurate recording; automated functionality; control of video, laser disc, and digital disk recorders; multiple software interfaces. NTSC or PAL available. \$2195.00  
*Diaquest, 1440 San Pablo Ave., Berkeley, CA 94702; (510) 526-7167*

### Display Enhancer Board (A2320)

De-Interlacing and Scan-Doubling Video Display Board providing non-interlaced video for display on multiscanning monitor. \$291.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### LaserView Laser Disc Player

The LaserView Laser Disc Player consists of a Pioneer LD-V2000 Laser Disc Player, cabling and software driver that works with Commodore's AmigaVision software. A cable connected to the Amiga's parallel port controls the player through the AmigaVision Disc Player icon instead of a remote control. AmigaVision programs that operate with the Pioneer 2200 and 4200 series Laser Players will also run with the LaserView Disc Player. AmigaDOS 2.0 compatible. \$599.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see our display ad page 68.**

### MIDI-Mice

MIDI-Mice is a man-machine interface for the Amiga, for use in your interactive hypermedia productions and performances. By emulating all mouse and keyboard functions, MIDI-Mice software allows you to control virtually any video, music, or paint programs from your MIDI instruments. NTSC only. Requires Workbench 1.3 or later. \$85.00  
*Tensor Productions, 819 Gwyne Avenue, Santa Barbara, CA 93111; (805) 683-2165*

### MS-P3400

Three-video plane mixer and keyer provides Harlequin and Amiga support in one multifunction genlock integrator including alpha channel operation. Inputs for Harlequin RGB, Amiga RGB, and external video which can be RGB, YUV, Y-C, or composite video. Has genlock/digital keyer for Amiga and linear component keyer for Harlequin. Outputs simultaneously RGB, YUV, Y-C, and composite video.  
*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

### MediaPhile 2.0A Infrared Controller

Provides infrared control of video decks, camcorders, compact and laser disc players, DAT, and audio cassette decks, and monitors from computers. Two independent serial outputs are also provided for Sony 's'-port and JVC 'swap'-port control. Learns infrared codes when combined with a MediaPhile edit controller. \$200.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

### MediaPhile 2.0MA Infrared Controller

This unit is a low cost means of providing infrared control from the game port. Has one output that can be configured for IR, Sony S-port, or JVC swap-port control. \$50.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

### MediaPhile 2.0PC Infrared Controller

This unit has eight outputs that can be independently configured for IR, Sony S-port, or JVC swap-port control. Plugs into parallel port. \$250.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

### MediaPro Interactive Multimedia Controller

MediaPro, designed to stand alone or multitask with a host Amiga, provides a low-cost control system for interactive multimedia applications. MediaPro, with its own CPU, reads application software from a laser disc on bootup and accepts and interprets input from touch screens or keyboards. The board, with four serial ports and eight I/O ports, provides user controls for stereo audio

amplifier, diagnostics, printer functions, proximity sensing, coupon dispensing, and other control functions. Minimum order is 50 pcs to cover cost of non-recurring engineering. \$695.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see our display ad page 68.**

### Omni Chroma Keyer

Model 361 NTSC Omni Chroma Keyer, Model 322 PAL Omni Chroma Keyer. Versatile 3 Chroma Keyer Models. Standard mode: composite/5-video FG/BG with external RGB/YUV key source. Encoded mode: Chroma key from composite/5-video foreground. Component mode: YUV/RGB FG/BG with three levels linear key. Option 1: Remote control panel with key fade, hue, gain, and clip control; garbage mask generator; preview output with mask display. \$3000 to \$5500.  
*Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311; (818) 700-0742*

### Opal Vision Video Processor

The Opal Vision Video Processor plugs directly into the main board. It is a real-time, 24-bit framegrabber, a professional quality genlock with chroma and luma keying and includes the Opal Vision Roaster Chip for unlimited transitions, color processing, and Digital Video Effects. It also includes controlling software for all functions and a 24-bit, 35ns character generator. \$995.00  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### OpalVision

A 24-bit video display and effects card from Opal Technology. Available in both internal and external versions. Provides true, 24-bit, broadcast-quality video capabilities for all Amiga models. Has 1.5MB of display memory and an on-board graphics processor. Can be expanded with addition of combination 256-level alpha channel genlock/framegrabber, and a de-interlacer. Can be operated in multiple resolutions, auto-configures to NTSC or PAL video standards, and can generate 24-bit double-buffered animations. Includes real time, 24-bit painting and image processing program called OpalPaint, as well as a variety of utility software and a 24-bit game! \$995.00  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### OpalVision Scan rate Converter

The OpalVision Scan Rate Converter also plugs directly into the main board. It converts PAL and NTSC signal to 31KHz for non-interlaced, flicker-free display of Amiga and OpalVision graphics and live video. It operates with any multi-sync/multiscan monitor. Additionally, the Scan Rate Converter includes a full, infinite window, time base corrector which operates in RGB for excellent quality. \$995.00  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### OpalVision Video Suite

The OpalVision Video Suite is a complete audio and video mixing, switching and transcoding device. It is a 19-inch, rack-mountable external unit with 9 video and 10 audio inputs. Video inputs and outputs are available simultaneously in RGB or Y/R-Y/B-Y, composite and S-Video. Its linear transparency key provides transparency control between 2 video sources on a pixel by pixel basis. The audio mixer is fully software sequenced with smooth fades and full 5-band stereo frequency equalization. \$995.00  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### PC-VCR

A computer controllable SVHS/VHS VCR that permits frame accurate searching and operation for desktop multimedia applications. The PC-VCR can

# Video Hardware

be operated by any RS-232 serial port with ASCII commands. A frame code is recorded on any tape without intruding on existing video or audio content. This code, in seconds and frames, permits computer control of the PC-VCR for editing, interactive presentations and video retrieval purposes. With computer control and frame accurate search, the PC-VCR can take both existing programs and new recordings and make them computer interactive. Cable not included; ordered separately. Sold only in the U.S. and Canada through NEC Multimedia dealers. Available in NTSC only. \$2100.00 list plus \$55.00 for cable. \$2100.00 NEC Technologies, Inc., Professional Systems Division, 1255 Michael Drive, Wood Dale, IL 60191; (800) 562-5200

## Panasonic/Selectra AG-1960/RS™

The Panasonic/Selectra AG-1960/RS™ is a high quality computer controlled professional editing video cassette recorder. It combines Panasonic's best-selling S-VHS VCR, the AG-1960, and Selectra's control system. The AG-1960/RS™ is controllable from any Commodore/Amiga computer through an RS-232 serial port. Selectra's controller provides interactive control over all VCR functions as well as a broad range of editing features. It is shipped complete with demonstration and control software. Available for NTSC. \$2195.00 Selectra Corp., P.O. Box 5497, Walnut Creek, CA 94596; (510) 283-1670

## Personal Series Expansion System

Dual rackmount chassis for Personal TBC II, VDA, or V-Scope cards. Includes front panel controls and serial port. One rack unit high. NTSC or PAL. \$595.00 Digital Processing Systems Inc., 11 Spiral Drive, Florence, KY 41042, Int'l: Scarborough, Ont., Canada; (606) 371-5533

## Personal VDA

This 1 x 4 Video Distribution Amplifier drives four 75-ohm terminated loads from one video output. Plugs into any Amiga 2000 series or IBM compatible (ISA) expansion slot. NTSC or PAL. \$150.00 Digital Processing Systems Inc., 11 Spiral Drive, Florence, KY 41042, Int'l: Scarborough, Ont., Canada; (606) 371-5533

## Phoenix Colour Digitizer

Combined color splitter/digitizer for digitizing from any color video source without filter wheels. Compatible with Digiview 4 software. PAL only. Hard drive plus 2MB recommended. \$295.00 Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752

## Prism Pal Color Splitter

The Prism is specifically designed to work with Digi-View. It accepts a standard or SVHS PAL Composite video signal as input. The output is automatically switched between red, green, and blue. A second output is available as RGB & Composite sync for a color monitor, so that you can see what you are about to digitize. The front panel has saturation, contrast, brightness controls, and shows which color is being sent to the digitizer with three L.E.D.s. A manual switch comes as a standard feature which allows it to be used with other digitizers. Aus \$499.00. W. van Heeckeren, 12 Burfitt Street, Leichhardt, N.S.W. 2040, Australia; (011) 612-560-2910

## The Producer Systems

Complete studio systems, from starter to complete professional. Studios customized to your application, up to and including Targa systems. All hardware, software, furniture, set up, and training available. Call for price quote. Also MIDI systems, all Amiga-based. Commotech Computers, 205 8th St., National City, CA 91950; (800) 300-AMIGA

## VCR-ROM

Hardware and software package lets you use your VCR/camcorder to integrate full motion video and sound into your programs. Requires VCR with

search capabilities. VCR output can be displayed on separate monitor or projection device, or any monitor which can be easily switched from RGB to Composite (such as Amiga 1084). With genlock, VCR output can be overlaid on computer output. Good for interactive training programs, information kiosks, more. \$200 plus \$5 S&H, plus \$6 for Visa/Mastercard.

Edu-Vid Research, P.O. Box 149, Pembina, ND 58271; (204) 661-5733

## Video Arts Teleprompting Systems

Complete hardware and software teleprompting packages. Hardware configurations include either camera-mount or independent telepod support systems with 12-inch monitor/prompter, monitor lensview, and monitor mount assembly. Software is AutoPrompt by DigiSoft. An optional remote hand-controller device is available to adjust speed, direction, and control start and stop with 25' or 50' cable. Price: \$2300 to \$2450.

Video Arts Systems & Technology, 2175 Highway 35, #8-R, Sea Girt, NJ 08750; (908) 974-1616

## ◆ DIGITIZERS ◆

### DCTV

DCTV is a revolutionary new video display and digitizing system. Creates a full color composite display with all the color and resolution of television. Captures a video frame in 10 seconds from any color video camera. Displays and captures full color 24-bit hi-res images. DCTV Paint (included) is the most powerful paint package to ever grace the Amiga. Convert DCTV images to or from any IFF display format (including HAM and 24-bit). Works with all popular 3-D programs. Animate in full color composite video. For all Amigas (A1000 requires standard parallel gender changer). \$299.00 Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825

Please see our display ad back cover.

### VLab

VLab is a real-time video digitizer with YUV technology. It is actually a Zorro II card. Digitizing from live video is possible. Time base correction is embedded. NTSC/PAL. German and English versions available. Supports local library. Requires A2000/3000, 1MB RAM, AmigaDOS 2.0. \$370.00 MacroSystem Computer, Friedrich-Ebert Str. 85, 5810 Witten, Germany; 011-492-3028-9177

### Video Master

From Microdeal. Combines video digitizer and sound sampler in one low-cost unit that is packed with innovative features. Handles screen resolutions of 320x256, 640x256, 320x512, and 640x512 in 16 levels of gray or up to 4096 colors. Price: \$69.95 including VAT (\$59.53 without VAT). MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946

## ◆ DIGITIZERS/ACCESSORIES ◆

### AutoLink

An electronic module allows fully automatic color digitizing when used with the Color Splitter, Digi-View, and any composite color video source. It plugs into the back of the Color Splitter and into the second port of the Amiga. All you have to do to get color IFF images is select 'digitize auto' in your Digi-View software. It's easier and a lot faster than manual operation. \$49.95 MicroSearch, Inc., 9000 US-59 South, Ste 330, Houston, TX 77074; (713) 988-2819

### Digi-Droid

Motorized filter wheel automatically advances the color filter wheel for Digi-View. Speeds up digitizing and minimizes chances for mistakes. Hands-free digitizing. \$79.95 NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146

### Vidi-RGB

Electronic color splitter hardware used to separate red, green, and blue electronically. Eliminates need for filters. When added to Vidi-Amiga, images are captured much more quickly. NTSC/PAL.

\$149.95

Rombo Ltd., 2 Baird Rd, Kirkton Campus, Livingston EH54 7AZ, Scotland; 011-44-506-466-601

## ◆ DIGITIZERS/FRAME GRABBERS ◆

### Digital EditMaster

A digital non-linear editing system for the Amiga which allows users to record from their video camera or VCR directly to the hard disk drive. The video compression board digitizes, compresses and stores video segments onto the hard drive in real time. The video segments can then be edited, modified and played back to tape. Animation frames can be compressed and stored to the hard drive on a frame by frame basis and then played back in real time, directly to tape without the need of an expensive frame-by-frame recorder. Video clips and computer animations can be combined very easily to produce a final production. The Digital EditMaster system works in full screen, real time NTSC (30fps) or SVHS broadcast quality 720x486 resolution. Full motion video compression and decompression ratios are user selectable, the ratios vary from between 3:1 to 100:1. DMT's new system is a video production and editing suite for use by video production houses, professional videographers, corporations and video enthusiasts. \$2495.00

Digital Micronics, Inc., 2075 Corte del Nogal, Ste N, Carlsbad, CA 92009; (619) 931-8554

### FrameGrabber

Real-time, 4096 color, video digitizer. Grab color images from VCR or camera in 1/30 of a second. Supports screen resolutions from 320 x 200 to 640 x 400, including lo-res overscan. For all Amigas. PAL version lists for \$799.95. \$499.95 Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555

### FrameGrabber 2.0 Software

Powerful enhancement software for FrameGrabber. Offers image printing and processing: shrink, zoom, magnify, sharpen, blur, and more. \$49.95 Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555

### FrameGrabber 256

256 gray-shade video digitizer with professional image-processing software. Displays up to 256 shades of gray on any Amiga monitor. For all Amigas. \$724.95 Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555

### Spectrum

Full 24-bit FrameGrabber/FrameBuffer. Grabs a frame from any NTSC source in real time, 1/60th second in frame mode or 1/30th second in field mode. Captures and digitizes in full NTSC color, no splitter required. Supports full overscan, stores NTSC image internally in own frame buffer. Easy-to-use software features support for controlling aspects of digitizing, saves in all popular formats including IFF24. Requires 1MB memory. \$549.00 Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244; (214) 702-9191

### Video Digitizer

Real-time frame grabber in 1/60 second, 320 x 256 display with 16 gray levels. Updates screen at 1 frame/sec. Save screen as IFF format. Edit pictures with cut, paste, copy, reverse, negative & more. \$139.95 Rio Computers, 3310 Beruwyck St., Las Vegas, NV 89121; (800) 782-9110

### Vidi Amiga 12

Low cost color digitizer. No separate filters or RGB splitter. Color images can be captured in less than a second and mono grabbed in real time. Load and save IFF, ILBM, and ANIM. Display 320 x 200, up to 640 x 400. Also supports several screen modes. NTSC/PAL. \$99.95.

Rombo Ltd., 2 Baird Rd, Kirkton Campus, Livingston EH54 7AZ, Scotland; 011-44-506-466-601

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Video Hardware

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## ◆ DIGITIZERS/SCANNERS ◆

### Digi-View MediaStation

Combines Digi-View Gold digitizer with Digi-Paint 3 and Elan Performer 2.0 software to allow users to digitize, paint, and present high quality images. Dynamic visual presentations can now be presented with breakthrough ease of use. \$249.95  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

### HP Scan Jet IIC Scanner Driver

This WYSIWYG scanner controller is part of the Art Department Professional family. It allows an HP ScanJet IIC color scanner to be interfaced to your Amiga using ADPro or with a stand-alone scan-to-disk version. Requires HP ScanJet IIC and Commodore compatible SCSI controller with external port. Art Department Professional is optional. \$200.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

**Please see our display ad color section.**

### IMG Scan II

Turns your printer into a hi-res image scanner. With 256 gray levels, full-color assignable. \$139.95  
*Seymour-Radix, P. O. Box 166055, Irving, TX 75016; (214) 255-7490*

### JS-105-1M

400 DPI handscanner with 64 Grayscale and Migraph touch-up software. \$229.00  
*GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

## ◆ DIGITIZERS/SCANNERS/ACCESSORIES ◆

### Express Image

Turn-key Amiga based system for the instant T-shirt and mug business. Uses GVP's IV-24, AD-PRO and custom front-end software to grab, manipulate and print T-shirt transfers on color postscript printers. Add text and borders; key image over fantasy backgrounds, etc. Output quality is the result of months of fine tuning using both still and live subject matter. Requires A2000 or greater w/ 68030 or faster, 9MB RAM and 2.0 or greater. \$2995.00

*Computer Video Solutions, Inc., 14-B S. 7th Street, Akon, PA 17501; (717) 859-2049*

### Professional Scan Lab II

A WYSIWYG driver for Sharp's JX 320, 450, 600 and 610 color scanners. Includes ADPro and stand-alone version. Supports transparency unit on 450 and above. Includes hardware interface which requires a Zorro II slot; Art Department Professional is optional. \$499.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

**Please see our display ad color section.**

## ◆ DVE ◆

### Rambrandt/Amiga

A 32-bit dual framebuffer with 24-bit painting and real-time digitizing. NTSC/PAL composite and RGB input and output. On-board T.I. 34020 processor for real-time resizing, 'window in a window,' animations, zoom, and other ADO-style effects, all in 16 million colors at resolutions up to 1024 x 1024. Onboard video RAM and code RAM to 8 MB for 34020 applications. A 34082 coprocessor is optional. System requirements: A2000/2500/3000. Amiga library support for existing applications and development. \$3995.00  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## ◆ EDITING HARDWARE ◆

### AG-7650

Designed as a source machine for a high-quality S-VHS editing or dubbing system, the AG-7650 provides outstanding playback quality because of its built-in digital TBC that virtually eliminates jitter, skew, head impact error, and color blurring. The source player features special amorphous video heads, a logical comb filter, 32 times normal speed search, four channel audio (two stereo audio channels with a dynamic range of 90 DB, as well as two linear audio channels with Dolby NR), and an IQ mechanism for precise, high-speed operation. Features include a Field Freeze function, Jog/Shuttle Dial, an optional Plug-in Time Code/Generator Reader, and a RS-422A serial interface to allow connection to MII and other serial control systems. \$4500.00

*Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

### AG-7750

The AG-7750 S-VHS Hi-fi editing VCR has a built-in digital time base corrector and RS-422A serial interface. A built-in digital TBC minimizes degradation, such as jitter, skew, head impact error, and color blurring. Genlock capability enables synchronization with an external reference signal. In addition, a field-coefficient Dynamic Noise Reduction system, for separate processing of Y and C signals, helps ensure an exceptional signal to noise ratio. The unit's capstan servo control mechanism provides full-loading stop and high-speed search at 32 times normal speed with viewable picture, for time-saving and added convenience during editing. \$6500.00

*Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

### BCD-2000A

The BCD 2000-A is a frame-accurate controller which permits Amiga 2000, 2500, or 3000 to operate industrial and broadcast video tape and disc machines for single-frame recording. Fits in a single Amiga or IBM slot and communicates with the Amiga via the computer's internal serial connector. (If using with A3000, specify with order for an external serial port connector cable.) Frame-accurate editing is achieved with the use of SMPTE time code. PAL (EBU) time code is jumper-selectable for worldwide compatibility. Requires A2000/2500/3000, one slot. Optional display \$225.00. \$995.00

*BCD Associates, 7510 North Broadway, Ste. 205, Oklahoma City, OK 73116; (405) 843-4574*

### BCD-5000

The BCD-5000 is a frame-accurate controller which permits a computer to operate industrial and broadcast video tape and disc machines for single-frame recording. Frame-accurate editing is achieved with the use of SMPTE time code. EBU time code is a factory option for worldwide compatibility. Requires RS-232 Serial Port. RS-422 optional. \$2995-3995.

*BCD Associates, 7510 North Broadway, Ste. 205, Oklahoma City, OK 73116; (405) 843-4574*

### BR-S811U

S-VHS PROFESSIONAL S full function editing recorder with built-in chroma enhancer for multi-generation editing, four channel XLR balanced audio and many other professional features. Ideal for use with an Amiga system. \$5000.00  
*JVC Professional Products Co., 41 Slater Drive, Elmwood Park, NJ 07407; (201) 794-3900*

### MICRON™

Micron is the revolutionary low-cost frame accurate video editing system. Micron packs state-of-the-art production tools into one console—a user-friendly dedicated keyboard with its own embedded master computer. The keyboard includes JOG, SHUTTLE, and CRUISE control of source and/or record transports. Two V-LAN compatible receivers are built into the Micron, allowing you to connect to two different video transports. The receivers are functionally user-programmable and

provide software downloadable drivers for all popular industrial and broadcast-quality transports (serial and/or parallel). Different types of VTRs can be mixed and even re-assigned under software control. It offers 250-event nonvolatile memory, printer port, sync rolls, split edits, GPI interface, and upgradability to A/B Roll. \$3500.00  
*Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111; (800) YES-VLAN*

### MediaPhile 2.0P Universal Tape Deck Controller

Plugs into two MediaPhile tape deck control ports to bring tape position information into computers. MediaPhile ports are easy to install in just about any video deck. Infrared and serial control also provided from unit for wide variety of video and audio devices. Two SMPTE time code inputs give near frame accurate editing, and a GPI remote switch output controls switchers for A/B-roll dissolves. Now includes infrared adapter and extension cable. Provides IR control from Controller D or S1 jacks without connection to audio port. Does not support No Stops search. Affects tape position accuracy from PAR 1/2 inputs; use SMPTE time code to correct. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

### MediaPhile 2.0S Serial Controller

Provides tape position input from two Sony or Canon camcorders/videodecks with 'remote' edit control ports. Has three serial outputs for Sony S-port and JVC swap-port control, one IR/GPI remote switch output, two SMPTE time code inputs. Plugs into Amiga serial port. Now includes infrared adapter and extension cable. Provides IR control from controller D or S1 jacks without connection to audio port. Does not support No Stops search. Affects tape position accuracy from PAR 1/2; use SMPTE time code to correct. \$250.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

### MediaPhile 2.0SA Serial Controller

Plugs into Sony, Canon, or Ricoh 'remote' edit control port to bring tape position information into computers from camcorders and video decks. Provides infrared and serial control over wide variety of video and audio devices. SMPTE time code input is included for near frame accurate editing. Now includes infrared adapter and extension cable. Provides IR control from controller D or S1 jacks without connection to audio port. Does not support No Stops search. Affects tape position accuracy from PAR 1/2; use SMPTE time code to correct. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

### MediaPhile 2.1S Serial Edit Controller

Plugs into two Sony, Canon, or Ricoh 'remote' edit control ports to bring tape position information into computers from camcorders and video decks. Infrared and serial control are provided for a wide variety of audio and video devices. Two SMPTE time code inputs give near frame accurate editing, controls switchers for A/B-roll dissolves, and a GPI remote switch output. \$250.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

### PACE™ Professional Animation Control Engine

PACE is the complete V-LAN compatible, frame accurate animation controller in one stackable package for your desktop. Packed in a single 19-inch wide unit. The PACE system contains a V-LAN compatible transmitter and receiver for animation control. The V-LAN transmitter connects to the serial port and the V-LAN receiver connects to the remote connector of your videotape recorder or laser disc player. The PACE back panel has parallel and serial connectors to mate with any type of transport. If your transport does not already have a SMPTE/EBU time code reader/generator, the optional VLX-SM reader/generator is available. \$2995.00

*Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111; (800) YES-VLAN*

# Video Hardware

## RouteMeister RM4X4VC

Amiga controlled routing switcher. Software includes workbench CLI and AREXX interfaces. The RM4X4VC is a 4 input, 4 output video and stereo audio switcher with audio-follow-video and audio breakaway. Software also supports Commodore's A2232 multiserial card. Other routing switcher configurations available by Summer '93. Requires any Amiga W/512k RAM & serial port. (A1000 requires adapter) \$499.00  
**Computer Video Solutions, Inc., 14-B S. 7th Street, Akon, PA 17501; (717) 859-2049**

## SuperMICRON™

SuperMicron is the feature-packed A/B Roll upgrade of the Micron, which adds the capabilities of serial switcher control and variable speed control. SuperMicron will be set up with an Amiga computer and the Toaster. The system demonstrates the new V-LAN switcher interface for the Toaster and SuperMicron's control of the Toaster. This system is a perfect animation plus editing system for Toaster users. \$7500.00  
**VideoMedia, Inc., 175 Lewis Road, San Jose, CA 95111; (800) YES-VLAN**

## The Personal SFC

The Personal SFC is a low-cost hardware and software solution that bridges the gap between single-rendered images and a completed video animation. It is fully compatible with NewTek's Video Toaster, Impulse's FireCracker 24, Digital Creations' DCTV, GVP's ImpactVision 24, ACS Harlequin, Amiga genlock, Black Belt Systems' HAM-E, and others. Software features include an easy-to-use point and click interface, time lapse and stop motion recording, animation sequencing, 1/4 screen B&W animated preview, convenient tape pre-stripping, and AREXX control. Supports a host of RS-422 serially interfaced, frame accurate VTRs with internal time code. Requires A2000 or A3000 with 1MB RAM min., 3-9MB recommended for advanced conversion/display features. NTSC and PAL supported in one version. For A500 compatibility contact manufacturer directly. \$425.00  
**Nucleus Electronics, Inc., 10 Cross Ave., P.O. Box 1025, Nobleton, Ontario, Canada L0G 1N0; (416) 859-5218**

## VuPort™ Computer/VCR Interface

VuPort is a computer accessory which controls two Panasonic AG-1960 S-VHS VCRs from Commodore/Amiga computers via the RS-232 serial port. It connects to the VCR through the 5-pin edit jack. Additional VuPorts can be daisy-chained on a single computer port. VuPort synchronizes multiple-deck operations and controls all VCR functions, including jog shuttle, insert and assembly edit and audio insert. Cue to frame, play frame, play segment, and other tape control functions are available. VCR status and tape location—in hours, minutes, seconds, and frames—are reported to the computer. VuPort runs under any application software that includes the VuPort driver. It is supported by RGB's AmiLink CI videotape editing software and Gold Disk's ShowMaker and VideoDirector software. It ships with control software, manuals and cables. NTSC/PAL. \$749.00  
**Selectra Corp, P.O. Box 5497, Walnut Creek, CA 94596; (510) 283-1670**

## ◆ ENCODERS ◆

### A520 RF Modulator

The A520 external RF modulator connects an Amiga 500 to a composite color monitor or standard TV. Connection is made through Amiga 500's RGB video port, and power is supplied by the computer. \$38.00  
**Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## ◆ VIDEO ENHANCEMENT ◆

### Amiga/CDTV Consulting

Offering training and software development services for the Amiga, CDTV and CD-I platforms. Typical applications include training systems, information kiosks, automated test equipment, shop

floor data collection and multimedia presentations.  
**M.D. Associates, 290 Via Colinas, Westlake Village, CA 91362; (805) 373-0356**

## DEB™ 2000

MicroWay's DEB 2000, Denise Extender Board for the Amiga 2000 and 2500, transfers the video signals required by the flickerFixer from the Denise socket on the Amiga motherboard to the DEB connector board. DEB 2000 allows MicroWay's award-winning flickerFixer to be operated without utilizing the video slot. As a result, the video slot is left free for other devices such as internal genlocks and frame buffers. Compatible with NewTek's Video Toaster, Digital Creation's SuperGen 2000, and most other video slot peripherals. \$99.00  
**MicroWay, P. O. Box 79, Kingston, MA 02364; (508) 746-7341**

## Flicker Free Video 2

Has more standard features and is more flexible than any other display enhancer for Amiga computers. With standard VGA or multi-sync monitor, will eliminate annoying flicker from interlaced display modes and visible scan lines from non-interlaced modes. FFV2 automatically switches between NTSC and PAL. New ESC modes are supported, with automatic bypass for Productivity mode and optional manual bypass switch for SuperHiRes mode. True scan line doubling eliminates motion artifacts. Unique FFV Preferences program allows adjusting screen refresh rate and overscan. Works in any Amiga, and doesn't use the video slot in the A2000. \$299.96  
**ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700**

## IV24 V2.0

A multifunctional color enhancement board which will allow video professionals to create broadcast quality video pictures, images and animations. The enhanced 24-bit color resolution offers 16 million colors, and also features a built-in digital keyer and flicker fixer. Also built in are frame buffer, and genlocks for both RGB and analog and composite video signals. Unit is designed for use with A300 and A4000, but will also work with the A2000 with optional adapter kit. Included with the board are 3-D rendering software, 2-D 16 million color GVP paint package, powerful image processing and switching programs. IV24 V2.0 - S: \$1749.00. IV24 V2.0 - CT: \$2399.00  
**Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770**

## MasterControl

MasterControl provides all the capability of VidControl, but will accept six discrete inputs from the gameport, as opposed to the one input used by VidControl. MasterControl provides a totally asynchronous capability to interface up to six outside discretely to Amiga software. \$75.00  
**Integral Systems, P.O. Box 31626, Dayton, OH 45431; (513) 237-8290**

## SampXfer V2

A runtime applications module for Studio16 which transfers samples to and from such system exclusive samplers as Akai 5700, 5900, 5950, Roland MKS-100, S-50, S-110, S22D, S-330 and Prophet 2000, as well as sample dump standards samplers like Akai S1000, S1100, Roland S-550, S-770, Yamaha TX6W, and many others. The audio dump standard Smdi-SCSI is also supported. Requires studio16 from Sunrize. \$149.00  
**Amidi Systems Inc., #4 6579 Throupp Rd., Sooke, BC V0S1N0, Canada; (604) 642-5489**

## VidControl

A typical application for VidControl in a Video production studio would involve synchronization of DeluxePaint III animations with video source from another device, via a GPI controller. VidControl supports user-definable response to input signal, permitting the user to define the keyboard message that is passed to the application. VidControl also supports variable time delays between the input event and the passing of the message to the application, permitting, for instance, a video pre-

roll delay. More generally, VidControl provides a general purpose input mechanism to permit the synchronization of any Amiga software package with an event in the outside world, based upon a switch closure, from a mouse, a joystick, or any other device. \$30.00  
**Integral Systems, P.O. Box 31626, Dayton, OH 45431; (513) 237-8290**

## Video Crisper

The Video Crisper will brighten and sharpen all of your colors so that your reds will be redder, your blues bluer, your greens greener all without having that washed out look that usually comes when adjusting your brightness and contrast controls without the Video Crisper. You will notice an incredible difference in your graphics programs, your workbench screen, entertainment programs, in everything you do! The unit plugs into the Amiga RGB port so no soldering is required. An enhanced version designed for use with external genlocks is also available for \$149.00 and is also installed without cutting or soldering. \$49.00  
**Memory Location, The, 396 Washington Street, Wellesley, MA 02181; (617) 237-6846**

## flickerFixer

MicroWay's flickerFixer is a professional graphics enhancer that uses de-interlacing and fits in the A2000 and A2500 video slot. Removes the flicker in the interlace mode and the visible scan lines in the non-interlace mode of the A2000 and A2500 display. Fully compatible and transparent to all user software. Supports standard multiscanning and VGA monitors. Compatible with 4096-color HAM mode. Does not modify the standard Amiga video signals which can be used simultaneously for RGB output or with an encoder for composite output. \$295.00  
**MicroWay, P. O. Box 79, Kingston, MA 02364; (508) 746-7341**

## flickerFixer Genlock Compatibility Option

MicroWay's flickerFixer Genlock Compatibility Option allows simultaneous operation of the flickerFixer and most external NTSC genlocks. It is a small module that piggybacks onto the flickerFixer board. Compatible with SuperGen, AmiGen, and other popular genlocks. \$25.00  
**MicroWay, P. O. Box 79, Kingston, MA 02364; (508) 746-7341**

## ◆ FRAME BUFFERS ◆

### ACS Harlequin 32 Bit FrameBuffer

The ACS Harlequin 32-bit framebuffer provides broadcast quality RGB output. All models offer a number of resolutions including: three resolutions (NTSC version)—740 x 486, 832 x 486, 910 x 486; PAL version—740 x 576, 832 x 576, 910 x 576. Genlockable signal, full Overscan, Interlace, and Non-interlace displays supported. Four models are available providing options for double buffering, Alpha channel for linear keying plus digital key output. For Amiga 2000 or 3000. UK Sterling from £1095.

**Amiga Centre Scotland, Harlequin House, Walkburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583**

### DCTV RGB Converter

The RGB converter takes composite video signal from DCTV and inserts it into the stream of RGB data. Any destination device such as a genlock monitor or encoder then has access to DCTV composite image contained in RGB stream. DCTV images can be put over incoming video when used with external genlock. Perfect for mixed mode slide shows or kiosks. NTSC/PAL. Requires DCTV; standard RGB monitor or external genlock. \$199.00  
**Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825**

**Please see our display ad back cover.**

### FrameBuffer/Amiga

Allows display of Amiga graphics files up to 24-bit RGB/746 x 484 as composite video signal. Also captures video realtime/full color. Works with 3-D Professional, Art Department Pro, Calgary, Sculpt

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Video Hardware

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

4-D, Turbo Silver, and more. \$695.00  
*Reliable Communications, Inc., 4868 Hwy. 4, P.O. Box 816, Angels Camp, CA 95222; (800) 222-0042*

## GDA-1 Hi-Res 256 Color Graphics Cards

The GDA-1 is a color frame buffer designed for ease of programming. Software switchable resolutions 640 x 480, 800 x 600, 1024 x 768, all non-interlace. 256 colors from a palette of 16 million. Includes software for displaying GIFs and Amiga screens. For A2000/3000/3000T. Zorro II compatible. \$749.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035; (408) 262-1469*

## ◆ GENLOCK ◆

### A2300 Genlock

The A2300 internal genlock allows for Amiga video display to be combined with output from a VCR, video camera, or laser disk. Combined display may be viewed on an Amiga RGB monitor. Titles, captions, and multi-layered effects may be viewed on videotape. Suitable for semi-professional environments. NTSC. \$169.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### ACS Harlequin Genlock

A genlock that has been designed specifically for use with the 32-bit Harlequin Framebuffer, providing full broadcast studio requirements for your Harlequin system. With a video mixer and Harlequin Genlock, you can now combine full-color images with your studio, or link up with any other source. Requires an Amiga 2000/3000 fitted with the Harlequin Framebuffer. NTSC/PAL. UK Sterling £175 for the basic unit.  
*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

### ACS Harlequin Genlock with Composite

A genlock that has been designed specifically for use with the 32-bit Harlequin Framebuffer, providing full broadcast studio requirements for your Harlequin system. With a video mixer and Harlequin Genlock, you can now combine full-color images with your studio, or link up with any other source. Includes a monitoring encoder giving a BNC composite video output allowing a composite signal to be viewed on a monitor. Requires an Amiga 2000/3000 fitted with the Harlequin Framebuffer. NTSC/PAL. UK Sterling £620.  
*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

### AmiGen

This low-cost genlock allows the Amiga to synchronize with any external video system, and overlays computer graphics. Easy to operate! \$199.95  
*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015; (408) 741-0117*

### AmiGen Video Titling Kit

Complete solution for Amiga owner interested in exploring desktop video. Kit includes Amigen with enhanced video output, Credit Text Scroller titling software, and two video cables. \$249.00  
*Reliable Communications, Inc., 4868 Hwy. 4, P.O. Box 816, Angels Camp, CA 95222; (800) 222-0042*

### ChromaKey+

Works with any external genlock to let you place your live video on top of the computer graphic. This is done by shooting the foreground video against a blue background (provided with ChromaKey+) that is later electronically eliminated when combined with background computer signal. This technique is used every night on your local news weather forecast. VHS demo tape \$5. \$395.00  
*MicroSearch, Inc., 9000 US-59 South, Ste 330, Houston, TX 77074; (713) 988-2819*

### G-Lock

High-quality, versatile genlock is completely software controllable through its user-friendly control panel software, or through AREXX or the CLI. Can accept one Y/C or two composite inputs. Provides composite, Y/C, RGB, YUV outputs. Many adjustable parameters such as brightness, contrast, saturation, hue, sharpness, filtering, gain. Full audio support. Allows all of Amiga's custom chip genlock control features to be utilized. Can load and display IFF images. \$499.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

### Neriki Desk Top GL1189

Genlock offers broadcast-standard high quality video direct from any Amiga, high resolution, genlocks to any composite video source, supports all interlace modes, self-powered, more. Available as Y-C input/output model, standalone desk top convenience, can be used downstream.  
*Fordray Pty. Ltd., P.O. Box 1265, Orange, NSW, Australia; (011) 61-63-62-9901*

### Neriki Image Master GL1187C

Genlock for professionals and broadcasters; full 5.5MHz meets broadcast standards. High quality video direct from any Amiga, high resolution, genlocks to any composite video source, supports all interlace modes, self-powered, more. Available as Y-C output model, fully rack mountable or standalone, can be used upstream or downstream.  
*Fordray Pty. Ltd., P.O. Box 1265, Orange, NSW, Australia; (011) 61-63-62-9901*

### OmniGen 701/702

This genlock system for the Amiga is available for both NTSC/PAL standards. Designed primarily for professionals and broadcast applications. Character generator, custom background generator, Genlocked Teleprompter, 23-pin D SUB in/out connectors with a cable designed for interfacing. Will lock to incoming video or black burst. Also has its own internal sync pulse generator. Adjustments include 360-degree chroma phase, full SC/H Phase control. Models 701 (NTSC) and 702 (PAL) feature composite in and out and S-VHS output. \$1950.00  
*Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311; (818) 700-0742*

### OmniGen 711/712

Same as the above models, but the 711 (NTSC) and 712 (PAL) have full S-VHS input and output (as well as composite). \$2850.00  
*Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311; (818) 700-0742*

### OmniGen 721/722

These models (721—NTSC and 722—PAL) have all the same features of the OmniGen line but are usable on all formats. The units can be used with any professional or non-professional system as they contain inputs and outputs for all formats: composite; S-VHS, Hi-8mm, Beta-ED, 3/4-inch, 1-inch, BetaCam, M2 and more. \$3950.00  
*Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311; (818) 700-0742*

### RG310CN RocGen Plus

This is the second generation genlock released by RocTec Electronics. It offers features such as independent manual dissolve control on RGB and video signals, separate RGB and video pass-thru, special key-in port for chroma key connection and automatic power sensing. Available in NTSC and PAL versions. \$379.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

### RM-2B Professional Genlock For Amigas

The RM-2B is a 19-inch, rack-mountable, professional genlock subsystem and NTSC encoder for the Amiga. It contains a sync generator and full-field color bar generator. A key/mix mode switch and mixing pot is optional, as is a color sub-carrier phase adjustment. The RM-2B is used by NASA for its high-resolution Shuttle cameras. For a nominal

charge, older RM-2 models can be refurbished at the factory to upgrade them to the performance level of the B version. \$2400.00  
*Glenn A. Burkland, 3903 Carolyn Avenue, Fairfax, VA 22031; (703) 273-5663*

### SuperGen

Genlock and overlay device. Independent dissolve controls, two overlaid outputs, switchable notch filter, accurate lock to VCR output. RGB decoder for true Amiga colors. NTSC. For all Amigas. \$749.95  
*Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825*  
**Please see our display ad back cover.**

### SuperGen 2000S

A true Y/C (S-VHS, Hi-8, ED-BETA) compatible genlock and overlay card for the A2000 series. The SuperGen 2000S installs into the video slot of an A2000 or A2500. A built-in processor amplifier allows software 55control of horizontal position, vertical position, video color saturation, and 360 degrees of chroma phase. NTSC. \$1195.00  
*Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825*  
**Please see our display ad back cover.**

### The VT Genlock Enhancer

A VideoMaster accessory. VideoMaster/Video Toaster co-existence on Amiga 2000/2500. \$50.00  
*VidTech International, Inc., 2822 NW 79th Avenue, Miami, FL 33122; (305) 477-2228*

### Video Blender

The Video Blender features video switching, luma-keying, genlocking, local color generation in 16 million colors, video fading/wiping, and stereo audio mixing. It is an external, self-contained unit with power supply. It provides black burst out for studio and professional video applications, and provides 'key in' for external chroma-key and special video devices. No time-based correctors required. Video Blender comes with MixMaster software, which provides a paint program and wipe script generator to create simple or advanced wipes with full control of speed, direction, and other wipe parameters. In addition, the package includes interface control software, a power supply, cables, thoroughly illustrated manual with examples, and a VHS tutorial videotape. \$1495.00  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### VideoMaster

An integrated desktop video system for all Amiga computers. Video Master genlocks the incoming composite (NTSC or PAL) or S-Video to the Amiga graphics. The genlocked video production is produced in all video formats as well as RGB for the best quality graphics. A built-in RGB splitter is included for direct connection to a digitizer including a compatible interface to Digi-View Gold 4.0. A special effect generator is also built in for horizontal, vertical, circle, and inverted wipes - automatically timed or manually controlled. All controls (vertical interval switches, fade bar, wiper bar, and RGB splitter) are front panel fingertip controlled. NTSC or PAL. \$1295.00  
*VidTech International, Inc., 2822 NW 79th Avenue, Miami, FL 33122; (305) 477-2228*

### miniGen

RS-170A, broadcast-quality genlock for all Amigas. Three-position toggle switch for controlling graphic modes. \$224.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## ◆ SWITCHERS ◆

### RouteMeister RM4X4VC

Amiga controlled routing switcher. Software includes workbench CLI and AREXX interfaces. The RM4X4VC is a 4 input, 4 output video and stereo audio switcher with audio-follow-video and audio breakaway. Software also supports Commodore's A2232 multiserial card. Other routing switcher

configurations available by Summer '93. Requires any Amiga W/512k RAM & serial port. (A1000 requires adapter) \$499.00  
**Computer Video Solutions, Inc., 14-B S. 7th Street, Akon, PA 17501; (717) 859-2049**

## ◆ TIME BASE CORRECTORS ◆

### DPS Personal TBC II

Infinite window plug-in TBC card compatible with Amiga 2000 series and all IBM PC and other ISA bus computers. Software control of proc. amp, timing, and color balance. AREXX support. NTSC or PAL. \$995.00  
**Digital Processing Systems Inc., 11 Spiral Drive, Florence, KY 41042, Int'l. Scarborough, Ont., Canada; (606) 371-5533**

### DPS-220 TBC/Synchronizer

Infinite window, broadcast-quality TBC/ Synchronizer with full 6MHz bandwidth in all modes. Field/frame freeze and optional AUTODOC-3-D dropout compensation. \$2995.00  
**Digital Processing Systems Inc., 11 Spiral Drive, Florence, KY 41042, Int'l. Scarborough, Ont., Canada; (606) 371-5533**

### DPS-230 Component Transcoding TBC

Features include infinite window memory, NTSC and S-video inputs and outputs, full 5.5-MHz bandwidth in S-video mode, freeze frame and field (field selectable 1-3), variable strobe, digital processing amplifier controls with non-volatile memories, digital color balance controls, Y/C delay adjustments, horizontal position control, advance sync output, and RS-232 remote control. Genlockable. \$1995.00  
**Digital Processing Systems Inc., 11 Spiral Drive, Florence, KY 41042, Int'l. Scarborough, Ont., Canada; (606) 371-5533**

### DPS-295 TBC/Transcoder

Component TBC with NTSC, Y/C 3.58, Y/C 688 dub inputs and NTSC, Y/C 3.58, Y/C 688 dub, Y/R-Y-B-Y (MII or Betacom) outputs. \$5495.00  
**Digital Processing Systems Inc., 11 Spiral Drive, Florence, KY 41042, Int'l. Scarborough, Ont., Canada; (606) 371-5533**

### IVT-7

The IVT-7 is a 4:2:2 digital processing Time Base Corrector with an infinite correction window. It uses state-of-the-art I.C.s to provide high performance processing at low cost. Its full-frame memory enables satellite feeds and domestic type VCRs and camcorders to be input on a single input connector without sync hook up. Features include frame and field freeze, 5.5MHz bandwidth on component, built-in RS-170A sync generator with genlock input and BB output, bypass/operate switch, and switchable auto-freeze for signal loss. \$2995.00  
**I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123; (800) 874-IDEN**

### Kitchen Sync

Allows you to completely synchronize two independent video sources for use with virtually any switcher or digital video effects system requiring synchronous video inputs. Has two complete time base correctors (TBCs) on one card that can plug into any IBM AT compatible slot on A2000/3000/4000. Composite or Y/C input. Y/C output optional. Perfect low-cost, front end for Video Toaster. NTSC. \$1295.00  
**Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825**  
**Please see our display ad back cover.**

### Kitchen Sync Genlock Option

Kitchen Sync Genlock Option is required to lock the Kitchen Sync to an external sync signal such as a black burst, camera, or house sync. NTSC. \$150.00  
**Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825**  
**Please see our display ad back cover.**

### Kitchen Sync S-VHS Option

Kitchen Sync S-VHS Option is required to enable the Y/C output from the Kitchen Sync. NTSC. \$99.00  
**Digital Creations, P.O. Box 97, Folsom, CA 95763-0097; (916) 344-4825**  
**Please see our display ad back cover.**

### Spectrum 1000C

This is a low-priced stand-alone composite digital two-channel A/B Roll Frame Synchronizer + two infinite window Time Base Correctors. It also includes two independent sets of proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility, these effects can be bypassed. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS) and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Permits displaying/transitioning between two VCRs or VCR/camcorder-camera, etc. \$1850.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116; (617) 262-6844**

### Spectrum 1000SC

This is a low-priced stand-alone S-VHS/composite digital two-channel A/B Roll Frame Synchronizer + Transcoder with two infinite window Time Base Correctors. It also includes two independent sets of proc amp controls (hue, video gain, chroma saturation, black pedestal set up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility these effects can be bypassed. Features 4:2:2 sampling, eight-bit processing, digital comb filter (passes VITS, VIRS), and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Permits displaying/transitioning between two VCRs or VCR/camcorder-camera, etc. \$2695.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116; (617) 262-6844**

### Spectrum 500C

This is a low-priced single-channel infinite window composite digital Time Base Corrector + Frame Synchronizer. It features 8-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$850.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116; (617) 262-6844**

### Spectrum 500SC

Single-channel infinite window S-VHS/composite digital Time Base Corrector + Frame Synchronizer + Transcoder. It also includes freeze frame/field with adjustable-rate strobe. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$1295.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116; (617) 262-6844**

### Spectrum 750SC

Single-channel infinite window S-VHS/composite digital Time Base Corrector + Frame Synchronizer + Transcoder. It also includes proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. It is compatible with

consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$1895.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116; (617) 262-6844**

### Spectrum 850QC

This is a four-format single-channel infinite window digital Time Base Corrector + Frame Synchronizer + Transcoder that allows color full motion video from VCRs, camcorders, and laser disc players to interface with computers—for a variety of multimedia and video compression applications. The four formats included are RGB and three video standards—NTSC composite, S-VHS/Hi-8, and component Y/R-Y-B-Y. It also includes proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility, these effects can be bypassed. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. It's compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$2000.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116; (617) 262-6844**

### Spectrum 900C

A low-priced two-channel infinite window composite digital Time Base Corrector + Frame Synchronizer. It features 8-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Particularly popular with the Toaster since it permits interface and transitioning between two VCRs or camera/VCR, etc. \$1450.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116; (617) 262-6844**

### TBCard

Designed as a plug-in card for the Amiga, the TBC may be used as an input source for such devices as Newtek's Video Toaster. The unit will be full frame, and will use component processing, producing a wide bandwidth of 5.5MHz. This bandwidth will enable time base correction of high resolution VCR signals, such as Super VHS, Hi-8 and U-matic with maximum signal fidelity. The TBCard will be fitted with genlock. Suitable for mid- to low-end applications, the TBCard accepts Y/C and composite signals. K factor will be <2%, S/N 56dB and DG/DP-2%, 2deg. Proc amp control and system timing are available through external desktop control box adjustments on the front of the board. \$995; \$1130 for TBCard bundled with TR-7 Remote. \$995.00  
**I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123; (800) 874-IDEN**

### TBCard PLUS

Designed as plug-in cards for the Amiga, the TBC may be used as an input source for such devices as Newtek's Video Toaster. The unit will be full frame, and will use component processing, producing a wide bandwidth of 5.5 MHz. This wide bandwidth will enable time base correction of high resolution VCR signals, such as Super VHS, Hi-8 and U-matic with maximum signal fidelity. The TBCard PLUS will be fitted with genlock. The TBCard PLUS has a wider range of inputs and outputs than the TBCard, with 4:2:2 processing making the unit more suitable for mid- to high-end applications. Inputs include composite, Y/C, component (R-y, B-y, Y), RGB/Sync and DOC. Outputs include Y/C, composite, and component. Proc amp control and system timing will be accessible from an exterior box. All proc amp controls will have presets. An optional main frame with power supply will be available. Price TBA.  
**I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123; (800) 874-IDEN**

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| <b>Video Hardware</b>                |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Video Hardware

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## TR-7 Remote

For use with TBCard. Puts the controls in your hands, without exiting Video Toaster or other desktop video systems, adding more submenus, requiring a bridge board, or requiring additional memory. Includes full proc. amp making available control of video level, setup, chroma level, and hue; freeze field or frame, and timing adjustments. \$195.00

*I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123; (800) 874-IDEN*

## ◆ VIDEO PRESENTATION SYSTEMS ◆

### ADVISION™

Advanced 24-bit color quality Amiga based advertising channel or electronic billboard system. Includes full production station and complete remote player system, production software, training, and installation. Additional remote player systems may be added to create a network of systems playing similar or unique programs. Ideal for cable advertising channel, hotels, ports of call, malls, etc. \$15500.00

*Video Arts Systems & Technology, 2175 Highway 35, #8-R, Sea Girt, NJ 08750; (908) 974-1616*

### ChannelVision Cable TV Systems

Turn-key Amiga based Photo Ad channels, Pay-Per-View barker channels and community access channels. Also used for in-house information display. Utilizes CAPS-XL and Medialink presentation software along with custom VTR?laserdisc/genlock control software for automated date and time specific video insertion. Requires A600HD/1200HD/A3000/A4000 w/2-3 MB RAM. \$15000.00  
*Computer Video Solutions, Inc., 14-B S. 7th Street, Akron, PA 17501; (717) 859-2049*

### IR Remote Controller

The learning-type IR Remote Controller comes with software to enable any VCR, with INDEX or

GOTO searching, to act as a CD-ROM, using any database. There are interfaces for AmigaVision, Deluxe Video, Microfiche Filer, and a general ARexx interface for any other program. Free source code for developers. It controls one or more IR devices. Uses: desktop presentations and full-motion video databases. Sample for AmigaVision provided. Money back guarantee. NTSC or PAL. Uses parallel port. \$200.00

*Edu-Vid Research, P.O. Box 149, Pembina, ND 58271; (204) 661-5733*

### Presenter 500

Enables television presenter or public speaker to maintain eye contact with audience and read their text undetected. Supports any Amiga character set in addition to fonts supplied, reads PC-compatible disks and word processing software, full text editing facilities, displays text in smooth scroll or page by page for several hours, HELP key; no manual required. Available as software only if required. NTSC/PAL. Available in numerous languages, foreign support/distribution available. For any Amiga with 1MB (A500+, 512K). \$1850.00  
*Presenter Promoters, GPO Box 3072, Canberra City 2601, Australia; 011-616-290-1515*

### Video Toaster System

The Video Toaster System brings the awesome power to create network quality television to your desktop. Eight separate pieces of expensive video gear have been combined into one complete desktop production system. This all-in-one broadcast studio includes a four input production switcher which has two frame buffers and a color background generator; the power to manipulate live broadcast video in real-time, with digital effects such as flip, warp, whips, zoom trails, mirrors, trajectories, and many more; lightweight 3-D animation, which offers high-end capabilities previously found only in dedicated graphics workstations. Everything from flying logos and sports graphics to the most sophisticated effects seen on

MTV. Other features include Toaster Character Generator which has 16.8 million colors, 30 standard anti-aliased fonts, 24-bit smooth color gradations, variable speed scroll and crawl, and much more; ToasterPaint allows you to create original artwork and network quality videographics; dual frame buffers allow Toaster effects to be done between live video and either buffer, as well as between the buffers themselves; ChromaFX is a powerful color processing engine capable of producing color negatives, monochrome, solarization, posterization, color vignettes, custom lighting, tinting, and photographic filter effects; Frame Grabber/Frame Store can grab and save a full resolution television frame and has sophisticated motion removal algorithms to provide a rock-solid freeze frame. The Toaster System is unique in that new effects and capabilities can be added with inexpensive software updates on disk. \$3995.00  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

### VideoShare

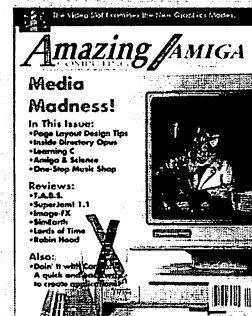
Remarkable new system designed specifically for instructional use. Perfect for seminar and classroom applications, VideoShare allows a source computer's video signal to be re-broadcast to each monitor connected to the system. At the touch of a button, an instructor can truly captivate an audience. System requires no drivers or support program; transparent to all software and hardware. In no way interferes with normal computer operations. Supports all Amiga and VGA video modes; also supports most other analog RGB-type video signals. NTSC/PAL/SECAM as well as custom video systems/configurations. One-year warranty. \$429.99

*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

# VIDEO!

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# Accelerators

## 33MHz Fusion-Forty

A redesigned Fusion-Forty for the A2000. Expandable (onboard) up to 128MB using a 64-bit wide access path. Redesigned floating-point package included. Compatible with all 3-D packages, especially the Video Toaster. Requires 68040, SIMM modules, (2091, Nexus, Trumpcard Pro, GVP II, Supra II, ICD). Price and availability TBA. *RCS Management Inc., 120 McGill Street, Montreal, Quebec, Canada H2Y 2E5; (514) 871-4924*

## 40/4 Magnum

Motorola 68040-based 40/4 Magnum is a 20 MIPS, 3.5 MFLOP accelerator/SBC (Single Board Computer) for all A2000 series personal computers. As accelerator, it has high speed and low price relative to RISC-based workstations. Three times faster than fastest 68030-based Amiga, it lets you use an Amiga to produce high-grade animations, ray-traced computer graphics and animations at nearly the speed of RISC-based workstations. As SBC, it provides much faster alternative to several performance bottlenecks: parallel, serial, and SCSI throughput. \$1895.00

*CSA/Computer System Assc., 7564 Trade St., San Diego, CA 92121; (619) 566-3911*

## A1200 SCSI/RAM+

The A1200 SCSI/RAM+ is a versatile board featuring 32-bit RAM expansion capabilities up to 8MB, a high-speed SCSI interface and an FPU (68882 math coprocessor), which dramatically improves floating point operations. List price with 16MHz FPU and 0MB RAM: \$369.00. List price with 33MHz FPU and 4MB RAM: \$599.00.

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## A1230 Turbo/4MB

The A1230 Turbo is a 40MHz 030 accelerator that can be easily installed inside the expansion bay on the bottom of the A1200 computer. Two SIMM sockets allow for expansion of up to 32MB of 32-bit wide 60ns DRAM. The A1230 Turbo also includes an FPU, which dramatically increases the performance of floating-point intensive applications. Comes with 4MB factory installed. \$749.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## A2000 G-Force 040

Latest member of GVP's multifunctional A2000 accelerator products. Makes all other 68040-based A2000 accelerators obsolete. Runs at 33MHz. Provides separate 4KB data and instruction caches on single chip. Comes with 4MB of 32-bit wide, 60ns custom DRAM. Will be configurable in 4MB increments to 16MB (eventually to 64MB). Unique bidirectional parallel port can be switched for full Amiga or IBM configuration.

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## A2000-Combo030 25/25/1

An internal accelerator board for the A2000. This system includes built-in SCSI controller, 25MHz CPU, 68882 FPU, and 4MB of 60ns 32-bit wide RAM. It is user expandable to 13MB. An optional mounting kit allows a hard drive to be mounted directly onto the board. \$599.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## A2000-Combo030 25/25/1

An internal processor/accelerator board for the A2000 includes: 25MHz 68030 microprocessor with built-in MMU and a 25MHz 68882 floating-point math coprocessor. Comes installed with 1MB of

factory-installed 60ns 32-bit RAM, user expandable to 16MB. Optional kit allows a hard drive to be mounted directly onto the board. \$599.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## A2000-Combo030 40/40/4

An internal accelerator board for the A2000. This system includes built-in SCSI controller, 40MHz CPU, 68882 FPU, and 4MB of 60ns 32-bit wide RAM. It is user expandable to 16MB. An optional mounting kit allows a hard drive to be mounted directly onto the board. \$899.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## A2630/4-68030 Processor Board

A 25MHz 68030 microprocessor board which includes a 68882 math co-processor, memory management unit and 4MB of 32-bit memory. \$1299.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## A3640 Amiga 68040 Processor Board

A modular 25MHz 68040 microprocessor for use with the Amiga 3000T or Amiga 4000. \$1998.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## A500 GVP/PC286

This 286 PC emulator allows the A500 to run MS-DOS and its applications concurrently with AmigaDOS applications. The GVP/PC286 plugs directly into the internal mini-slot expansion connector of the GVP Series II A500HD8+ hard drive/RAM add-on subsystem. 512K of fast memory (DRAM) is included for exclusive use by MS-DOS applications. Amiga memory can be allocated and transparently mapped into the 80286 CPU memory space for MS-DOS applications using more than 512K. Other emulations include Hercules, CGA, EGA/VGA (monochrome only), and Toshiba 3100. Parallel port, serial port, sound, real time clock, CMOS RAM, and even extended memory are supported. MS-DOS not included. \$425.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## AdSpeed

Low-cost, full-featured 14.3MHz accelerator for all 68000-based Amiga computers. AdSpeed provides noticeable improvement by using an intelligent 16K static RAM instruction/data cache. Simple, no-solder installation, hardware and software selectable speed change at any time. \$209.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## AdSpeed/IDE/40

Combining the accelerating power of AdSpeed and the high performance hard drive interface of AdIDE, AdSpeed/IDE gives you a compact, inexpensive package to address your expansion needs. The accelerator doubles your clock speed and provides 32K of high-speed static RAM for data/instruction caching. You can switch speeds whenever you want! No other accelerator offers so much for such a low price. And the hard drive interface provides outstanding performance. AdSpeed/IDE/40 is for the Amiga 2000 and most standard IDE (AT) drives. Fits underneath CPU chip, using no slot. Includes 40-pin IDE cable and instructions. \$359.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## AdSpeed/IDE/40 Kit

Combining the accelerating power of AdSpeed and the high performance hard drive interface of AdIDE, AdSpeed/IDE gives you a compact, inexpensive

package to address your expansion needs. The accelerator doubles your clock speed and provides 32K of high speed static RAM for data/instruction caching. You can switch speeds whenever you want! No other accelerator offers so much for such a low price. And the hard drive interface provides outstanding performance. AdSpeed/IDE/40 Kit is for the Amiga 500 and allows you to replace the internal floppy drive of the computer with a Quantum hard drive (not included). All cabling and mounting hardware are provided, as well as a Shuffleboard to make your external floppy drive DF0. \$389.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## AdSpeed/IDE/44 Kit

Combining the accelerating power of AdSpeed and the high performance hard drive interface of AdIDE, AdSpeed/IDE gives you a compact, inexpensive package to address your expansion needs. The accelerator doubles your clock speed and provides 32K of high speed static RAM for data/instruction caching. You can switch speeds whenever you want! No other accelerator offers so much for such a low price. And the hard drive interface provides outstanding performance. AdSpeed/IDE/44 Kit is for the Amiga 500 and includes special hardware for mounting a 2.5-inch hard drive (not included) inside the computer. \$369.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

## Derringer™

New Amiga accelerator provides 25MHz A3000-level performance for same low price as most 68000-based Amiga accelerators. Built around fast, 25MHz Motorola 68030 central processor, upgrade options allow adding of 1, 2, 4, or 8 more MB DRAM, together with 50MHz 68881 or 68882 math coprocessor. Additional 16 and 32MB DRAM upgrades possible in future. Derringer also allows for hardware remapping of Kickstart 1.3/2.04 into 32-bit DRAM, leaving MMU free for other programs. Software is provided through optimized performance of Derringer by allowing critical operating system libraries to be moved directly into 32-bit RAM. Compatible with any A500 or A2000, Derringer is plug-and-play product. Like Mega-Midget Racer, it replaces 68000 CPU inside Amiga. Self-contained, single board unit with six-layer design and precise, reliable surface mount technology. Derringer w/ 4MB of 32-bit DRAM- \$499.00 \$249.95

*CSA/Computer System Assc., 7564 Trade St., San Diego, CA 92121; (619) 566-3911*

## Fusion-Forty

The Fusion-Forty is a 28MHz 68040-based accelerator for the Amiga 2000. The unit performs over 31,000 Dhrystone. The unit is expandable on board to a maximum of 32MB of 32-bit RAM. Users of the Fusion-Forty should expect to see major performance increases in integer and floating point processing over current 68030-based Amigas. It comes with a hardware switch to enable you to return to your own system. It is 3-D graphics and VideoToaster compatible. Works with most SCSI drives. Prices: 0MB—\$1400, 4MB—\$1600. \$2995.00

*RCS Management Inc., 120 McGill Street, Montreal, Quebec, Canada H2Y 2E5; (514) 871-4924*

## G-Force 030 A2000 Combo 50/50/4

A 50MHz 68030 accelerator with a built-in SCSI controller and 32-bit wide DRAM on a single card. It comes standard with 4MB of 60ns RAM and is user expandable to 16MB. Features icon-based software which allows the user to fall back to the 68000 mode. Optional kit allows a hard drive to be

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Accelerators

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

mounted directly onto the board. \$1449.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## G-Force 040 A2000 Combo

This 68040-based accelerator runs at 33MHz and comes populated with 4MB of 32-bit wide RAM which can be expanded to 16MB. The inclusion of a high performance SCSI controller, serial port, and parallel port make this accelerator extremely versatile. \$1699.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## Krueger Instant Speed System

High speed, low cost 68030/68882 accelerator system runs at 33MHz, is easy to install, and allows icon-based switching to 68000 mode. Based on Mega Midget Racer upgraded with 33.33Mhz oscillator, 33MHz 68030 (with MMU), and 33MHz 6882 Floating Point unit. Also includes 8MHz 68000 so no reseating of 68000 chip is needed. Makes high end applications practical and affordable. \$295 without 32-bit memory; \$339 with 512K 32-bit memory.  
*Krueger Company, The , 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

## M/MR 2100 Mega-Midget Racer™

Affordable, fast 68030 accelerator card for any A500 or A2000 series personal computer. Mega-Midget Racer is a modular, variable frequency 68030 accelerator; offers modular approach to gradually upgrading your system. Supports wide range of RAM configurations (up to 8MB) and adapts to different internal Amiga clock frequencies, depending on CPU or math co-processor used. Built with high-quality surface mount construction. Prices start at \$325 for base model without RAM.  
*CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121; (619) 566-3911*

## MBX 1200Z

The MicroBiotics MBX 1200Z is offered to Amiga 1200 owners as a cost-effective, high-quality upgrade solution to provide a Motorola 68881/68882 FPU and to support the installation of up to 8MB of 32-bit wide Amiga FastRAM. In addition, a high-accuracy, battery backed real-time clock circuit is supported. The MBX 1200z board installs instantly on the A1200's standard 150-pin bus connector. MBX 1200z speeds up floating-point operations by as much as 55 times that of the native A1200. The MBX 1200z permits the A1200 user to realize the full potential of his system and software. \$189.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## Mercury 040/3000

28MHz 68040 accelerator for all A3000's. Expandable to 32MB onboard 32-bit RAM with standard SIMM modules, 1MB x 8 or 4MB x 8, 80ns, 60ns, or 33MHz/40ns; faster performance with faster RAM. Upgradable to 33MHz or 40MHz 68040 CPU. Supports RAM bursting with page and static column RAM, onboard and offboard RAM. Includes FASTROM and other utility software. Compatible with most hardware and software (Video Toaster, Imagine). Requires A3000, 16MHz or 25MHz, A3000 tower, AmigaDOS 2.0 in ROM. Easy to install. \$2599.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## Midget Racer/PGY 1240MR

Midget Racer 68020 accelerator is least expensive way to increase rendering times on any 3-D software. Utilizing Motorola 68020 and allowing for optional 68881/882 math co-processor, this inexpensive solution offers a three to five times speed increase on those programs utilizing floating-point arithmetic. Fits A500/1000/2000. \$199.00  
*CSA/Computer System Assoc., 7564 Trade St., San*

*Diego, CA 92121; (619) 566-3911*

## Platinum Edition Derringer

New 50MHz 68030 accelerator for the Amiga 500 and Amiga 2000. Built around fast, 50 MHz Motorola 68030 central processor, upgrade options allow 1,2,4,8 or 16 MB DRAM together with 50MHz 68882 math co-processor. Additional 32MB DRAM upgrades available in the future. Platinum Edition Derringer allows for hardware remapping of Kickstart 1.3/2.04 into 32-bit DRAM, leaving MMU free for other programs. Software is provided through optimized performance of the Platinum Edition Derringer by allowing critical operating system libraries to be moved directly into 32-bit RAM. Like the 25MHz Derringer, the Platinum Edition replaces 6800 CPU inside Amiga. Platinum Edition Derringer 50MHz 68030 w/ 50MHz 68882 and 4MBs 32 Bit DRAM \$849.00.  
*CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121; (619) 566-3911*

## Progressive 040/2000

28MHz 68040 accelerator for all A2000's. Asynchronous design is over 23 times the speed of a standard 2000; about four times the speed of a 25MHz 3000. Compatible with AmigaDOS 1.3, 2.0, the Video Toaster, Imagine, and many other software/hardware products. Expandable to 32MB of 32-bit RAM. 68000 mode available from software (no jumpers needed). OMB, \$2260; 4MB \$2430. \$2260.00  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## Progressive 040/3000

25MHz 68040 accelerator for 16MHz and 25MHz A3000 computers. Uses 32-bit RAM on A3000 motherboard. Over four times the speed of a standard 25MHz A3000. Software switchable from 040 to 030 mode (25MHz system only). Requires AmigaDOS 2.0 in ROM. Compatible with Video Toaster, Imagine, and many other software products. For A3000 or A3000T. \$1795.00  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## Rocket Launcher™

If you have already invested in the 25MHz Commodore A2630 accelerator, Rocket Launcher upgrade kit lets you double the speed of your A2000 series computer without giving up existing A2630 investment or compatibilities. Rocket Launcher provides easy way to replace slower 25MHz processor on A2630 with single module containing much faster 50MHz 68030 CPU and 50MHz 68882 math co-processor. The six-layer, double-sided surface mount technology design Rocket Launcher uses proprietary logic to provide fast CPU/DRAM access, with no synchronization delays. To install, remove old processor and co-processor chips from A2630, plug Rocket Launcher into empty 68030 slot, and switch on Amiga; no software required. \$499.00  
*CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121; (619) 566-3911*

## SupraTurbo 040

A 68040 accelerator for the Amiga 3000. It installs easily in the coprocessor connector on the A3000, and provides vast performance increases. The SupraTurbo 040 accelerates operations such as ray tracing, rendering, or spreadsheet recalculation by as much as 10 times that of a standard 25MHz Amiga 3000. It contains separate 4K caches for instructions and data and each cache has 64 independent cache areas. One-year warranty. \$1295.00  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## Twelve Gauge

The complete Amiga 1200 accelerator, Twelve Gauge is everything you need for your A1200 on

one single board. Its modular design allows feature to be added when budget permits. Twelve Gauge features include: 50MHz 68030 Burst Mode DRAM accelerator; 50 MHz 68882 coprocessor socket; optional 40MHz 68EC030; optional SCSI controller; optional auto config ROM supports autoboot/hardware configuration; includes math coprocessor socket. The Twelve Gauge install into the trap door slot on the A1200. It supports industry standard 60NS DRAM SIMMs. 40MHz 68EC030 \$599. 50MHz 68030 \$699.  
*CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121; (619) 566-3911*

## VXL 30

Advanced technology 68030 accelerator for Amiga 500 with optional hardware floating point and 32-bit wide, burst-mode memory. A cost-effective, high-quality solution to convert 7MHz, 68000-based A500s into high-speed, 32-bit systems utilizing Motorola's advanced 68030 or 680EC30 microprocessor and its companion math chip, the 68882. The VXL system accepts an optional 32-bit RAM board carrying 2MB or 8MB of Fast Page Mode RAM designed to permit processor to operate in its high-speed burst mode. Prices: with 25MHz 680EC30—\$349, with 40MHz 680EC30—\$449, with regular 68030 at 25—\$399, at 33MHz—\$499. VXL RAM-32 with 2MB of 60ns, Fast Page Mode DRAM installed: \$299. 25MHz 68882 Math Co-processor and Oscillator kit: \$150. \$349.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## Vector

A third-generation processor accelerator card offering superior performance and features. Based on the 030, Vector allows Kickstart ROM to be mapped into local 32-bit RAM. Up to 32MB RAM can be added using industry standard 1Mx8 or 4Mx8 SIMMs. Includes IVS' super high performance Trumppcard Professional SCSI disk interface; has holes for mounting hard drive on card. With mouse-controlled processor switch, you can use either the 68000 or 68EC030. In 68000 mode, 8MB RAM and autobooting SCSI port are available to system. AmigaDos 2.0 compatible. \$799.00  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## Zeus 2000

Power-packed A2000 system expansion offering 68040 accelerator, 32MB 32-bit RAM expansion, and high speed SCSI II hard drive controller for data transfer rates up to 10MB/sec. Compatible with AmigaDOS 1.3, 2.0, and SCSI-I type drives. For A2000, 2000HD, or 2500. Price TBA.  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

# Miscellaneous Hardware

## ♦ GENERAL HARDWARE ♦

### A3000 PAL/NTSC Switch

Allows A3000 owners to easily choose between NTSC and PAL video modes by flicking a switch. Very useful when using software that was developed in Europe specifically for European Amigas and vice versa. \$15.95  
**Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232; (813) 378-5791**

### A500 HD 150DL Power Supply

Deluxe replacement power supply for the Amiga 500. For owners who are planning to expand their machines, run a BBS, or need better quality replacement power supply. Output specifications: +5V at 14A, +12V at 6A, -5V at .5A, -12V at .5A. All voltages available at a user point for custom applications. Features accessible fuses, three switched A/C outlets, overvoltage, and over current protection. \$179.95  
**Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232; (813) 378-5791**

### A500 Thor Replacement Power Supply

Lowest cost 'large footprint' replacement power supply for A500. 110/220 switchable. Connectors for floppy and hard drives. Output specs: +5V at 14A, +12V at 6A, -5V at .5A, -12V at .5A. \$89.95  
**Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232; (813) 378-5791**

### CIA Guard

Attaches to parallel port of Amiga (particularly A600), protects CIA chips from static discharge damage. (Essential on A600 with surface mount circuit boards.) \$47.00  
**Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752**

### DataFlyer 500 Power Supply

The DataFlyer 500 power supply is a 30-watt switcher supply which will accept all domestic and international input currents. It mounts internally and comes complete with all cables, hardware, and easy-to-follow instructions. \$89.95  
**Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890**

### DataFlyer Rail Kit

Used on the DataFlyer 2000 to extend the drive behind the interface. Comes complete with all hardware. The drive can also be mounted on the rear of the interface without the Rail Kit or any extra hardware. \$26.95  
**Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890**

### Power Supply

Fully compatible replacement power supplies for your A500, C128, or Commodore 64. All power supplies are fully guaranteed against all defects and compatibility. Prices: A500—\$79.95; C128—\$99.95; C64—\$37.95.  
**Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890**

### Pro Port Analyzer

Tests all Amiga external ports for proper operation and disk drives for read/write operation. Quickly tests the serial, parallel, joystick, video, and disk drive ports using intuitive graphic software. Completely mouse driven. 2.0 and 3.0 compatible. \$99.00  
**Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612; (813) 977-6511**

### Pro ROM Switcher

Easy. Select one of two ROMs by simply holding down the CTRL Left-Amiga, Right-Amiga keys for more than 5 seconds; the alternate ROM is selected. If you repeat the operation, the main ROM is again selected. Works on all revision motherboards for the A500 and A2000. Also has jumper for older versions of the A500/2000 motherboards. No soldering required. \$59.00  
**Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612; (813) 977-6511**

dering required. \$59.00  
**Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612; (813) 977-6511**

### SecureKey

Internal device for the Amiga A2000 and A3000 that allows you to enter in one code for system access. Once installed, your system cannot be accessed without this code. You can't boot off the floppy or break out of the start-up sequence. This protects your system and harddrives for unauthorized use. \$249.95  
**DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support**

### T+3

The T+3 is a full size tower case measuring 8.7 x 27.6 x 17.8 inches. Both side panels open for easy access. Swing open front panel conceals external drive bays. Features include 6 external half height bays; 4 internal 3.5 inch bays; 230 watt power supply; 2 cooling fans; VGA video out; 2 mouse ports; removable rolling casters.  
**Alabama Computers, Inc., 6210 Old Mason Pike, Ste. D, Huntsville, AL 35806; (205) 837-9324**

### Zorro II/III Extender Card

Allows hardware developers easy access to their cards while cards are plugged into Zorro expansion bus. Extender card saves wear and tear on your expansion slots because you don't have to continually unplug your hardware cards to troubleshoot them. Also gives you much easier access to your work by extending your card 5 inches above its normal height. For A2000/3000 or any Zorro II/III expansion slot. \$39.95 plus S&H.  
**Overland Engineering, 9900 Spain Rd, NE #B-2007, Albuquerque, NM 87111; (505) 299-9312**

### ezMOTION

A miniature passive infrared motion detector that connects to either Amiga gameport. ezMOTION detects the movement of warm objects, such as people and animals. Sensor can detect motion up to 20 feet away. When plugged into gameport #1, a left mouse-button signal is generated each time motion is detected. When plugged into gameport #2, a joystick fire-button signal is generated each time motion is detected. Any program that detects left mouse-button or joystick fire-button events can be used with ezMOTION.  
**Boone Technologies, Inc., P.O. Box 15052, Richmond, VA 23227; (804) 264-0262**

## ♦ BACK UP HARDWARE ♦

### FileRunner™ Streamer for use with any Amiga

External Streamer sub-system for use with any Amiga. 60MB, 150MB, 230 MB, and 1GB available. Tested with the Amiga 3000. Comes with its own power supply and fits under the monitor.  
**Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696**

### Synchro Express

Synchro Express is a powerful disk copier, giving you the facility to back up disks using the MFMT/TTL techniques used by commercial duplicators. In most cases, copies in under 50 seconds. \$69.99  
**Coast to Coast Technologies, 580 Cape Cod Lane, Ste. 3b, Altamonte Springs, FL 32714; (407) 788-8377**

## ♦ BRIDGEBOARD ♦

### 80386 20-MHz Bridgeboard Enhancer

A very small module that replaces the 80286 CPU chip in the Amiga A2286 AT bridgeboard. Kit needs no cutting or soldering, requires only 15 minutes to install; completely reversible (why would you ever want to reverse it?). Completed board uses no additional slots. Will work with an 80287 math chip and provides a Norton processor speed of about 20.7. Has proven power and quality over several months of in-field testing. \$449.00  
**ATOP, 11914 Girdled Road, Painesville, OH 44077; (216) 352-8471**

### A-Max II

Now handles most major Amiga hard drive controllers to give full hard drive support during Macintosh emulation with both Amiga and Mac hard drives. A-Max II also supports other standard SCSI devices, such as the LaserWriter IISC and scanners, through compatible Amiga hard drive controllers. Other new features include improved handling of Amiga accelerator boards with MMUs to give increases of up to five times normal speed, and the ability to play Macintosh digitized sounds during emulation. \$249.95  
**ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175**

### A-Max II Plus

A-MAX II Plus is an Amiga 2000/3000 internal card that provides Macintosh compatibility plus Appletalk network compatibility, two Macintosh serial ports, MIDI compatibility and the ability to read, write, and format Macintosh disks on standard Amiga disk drives. You supply 128K ROMS. Has enhanced version 2.5 software for System 7 compatibility. \$499.95  
**ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175**

### A2000 Bridgeboard Speaker

Gives the PC emulators the gift of sound. Comes with all needed mounting hardware. Installs in minutes in any A2000 with basic household tools. \$19.95  
**Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232; (813) 378-5791**

### A2386SX Bridgeboard

The A2386SX Bridgeboard gives an Amiga system MS-DOS compatibility by allowing PC application software to run within a window under AmigaDOS. MS-DOS files can be transferred back and forth between Amiga and MS-DOS disks. A2386SX has processor speed of 25MHz; comes with 1MB RAM and MS-DOS 5.x. For all Amiga 2000, 3000, and 4000. \$649.00  
**Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

### ALF-PC-SCSI

Fastest 8-bit SCSI controller for the PC side of the Amiga. Automatically detects hard drives, CD-ROMs, removable drives. No drivers required. After performing FDISK and Format, any SCSI drive will work. For any Amiga with bridgeboard. English/French/German manual. Workbench 2.0 compatible. \$112.00  
**Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696**

### Bridgeboard AnyRam Card

A RAM card that fits in a 16-bit Amiga Bridgeboard slot and is compatible with A2286 AT Bridgeboard. Can be expanded up to 8MB. Will configure as any kind of PC RAM including expanded, extended, LIM, shadow, etc. Can be configured with multiple partitions of different kinds of RAM in different quantities. Sold with 0K RAM. SIMM modules available at current competitive pricing. Technical manual included. Requires A2000/A3000 with A2286 Bridgeboard. \$229.00  
**ATOP, 11914 Girdled Road, Painesville, OH 44077; (216) 352-8471**

### Bridgeboard Combo Drive

A 5.25-inch half-height drive that has both 3.5- and 5.25-inch slots. Connects with standard A2286 Bridgeboard disk drive cable and Amiga power supply cable. Drive will read, write, and format all formats up to 1.44MB, including 360K, 720K, 1.2MB, and 1.44MB diskettes. Fits perfectly in A2000 5.25-inch front bay. External box with power supply available at additional cost for A3000. Technical manual included. Requires A2000/A3000

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Miscellaneous Hardware

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

with A2286 Bridgeboard or ATonce. \$199.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077; (216) 352-8471*

## Bridgeboard Math Enhancer

A small module that fits in the A2286 AT Bridgeboard math chip socket. Includes a 20MHz 80287 math chip and adapter module which allows the chip to run at a full 20 MHz for a 900% increase in math computation speed. Simple installation takes only 15 minutes, without cutting or soldering. Compatible with standard A2286 Bridgeboard or with ATOP's 80386 20MHz Bridgeboard. No software needed, auto-configures into the setup. Includes bridgeboard manual. Requires A2000/A3000, A2286 Bridgeboard. \$189.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077; (216) 352-8471*

## Bridgeboard Monitor Switch Kit

Kit consists of high quality A-B switch and custom-molded cables. Allows Amiga 1960 Multisync monitor (or any VGA monitor) to be used as a single monitor serving ATOP's Multifunction Card, and the VGA output from an A3000 or A2000 with an A2320 Display Enhancer board installed. Allows safe on-line switching without power-down. Requires A2000/A3000 with A2286 Bridgeboard or ATonce. \$59.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077; (216) 352-8471*

## Bridgeboard Multifunction Board

A 16-bit board that provides all the I/O Commodore forgot on the A2286 Bridgeboard in a single slot. 1MB VGA 1024 x 768 256 color graphics with VESA 72-Hz high-refresh option. Two RS-232 serial ports with selectable addresses/IRQ. One bidirectional parallel port with selectable addresses. IDE (AT) hard drive controller (supports two AT drives). Disk drive controller supports two drives of any format (3.5- or 5.25-inch). MicroSoft compatible bus mouse port with software driver (3-button mouse included). Features may be disabled with jumpers for maximum flexibility. Includes bridgeboard and technical manuals. Requires A2000/A3000, A2286 Bridgeboard, ATonce Plus, ATonce 386. \$299.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077; (216) 352-8471*

## Janus 2.1

Software upgrade for the Amiga 2286 AT Bridgeboard and the A2386SX Bridgeboard.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## vortex ATonce-Amiga v1.27

ATonce gives your A500/A2000 a complete 80286 AT emulation including an AT compatible BIOS, emulation of the parallel and serial ports, sound, EGA/VGA monochrome graphics, other graphics in color, hard disk support and integration of RAM expansions. When RAM expansions are fitted, additional memory can either be used as DOS Base Memory and/or as Extended/Expanded Memory. Yet while running as a task within AmigaDOS, ATonce does not affect normal operation of your Amiga and is totally transparent when not in use. Each ATonce has a high quality, low power Motorola 68000 CPU, saving you time with installation, providing a high degree of reliability, and leaving the original as a spare. ATonce is compact and easy to fit. Plugs directly into 68000 CPU socket of A500 or via plug-in-adaptor in one of the Amiga slots of A2000. No soldering required. \$398.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821; (217) 356-1884*

## vortex ATonce-Classic v2.33

Gives your A500 and A500 Plus a complete 80286 AT emulation, including an AT compatible BIOS, emulation of the parallel and serial ports, sound, EGA/VGA monochrome graphics, other graphics in color, hard disk support, and integration of RAM expansions. When RAM expansions are fitted, the additional memory can be used either as DOS base memory and/or as extended/expanded memory. Yet while running as a task within AmigaDOS, ATonce-Classic does not affect the normal operation of your Amiga, and is totally transparent when not in use. Each ATonce-Classic is supplied with a high quality, low power Motorola 68000 CPU. Saves you time with the installation, provides high

degree of reliability, and leaves the original as a spare. ATonce-Classic is compact and easy to fit. Plugs directly into the 68000 CPU socket on the A500 or A500 Plus. No soldering required. Supports Kickstart 1.2/1.3 and AmigaDOS 2.0. \$298.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821; (217) 356-1884*

## vortex ATonce-Plus

High-performance AT emulator with a 16 MHz, CMOS 80286-16 bit processor for A500, A500 Plus, and A2000. Offers a Norton SI of greater than 16.2. Supplied with 512K vortex Emulator-RAM and socket for an optional 80C287-12 math coprocessor. Without any additional RAM, ATonce-Plus makes 640K DOS memory available. Runs unrestrictedly in protected mode. Works with Commodore compatible hard disk systems that use an AmigaDOS compatible hard disk driver as well as with 3.5-inch/5.25-inch floppy drives with 720K/360K. \$448.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821; (217) 356-1884*

## vortex Golden Gate

This bridge slot card closes the gap between Amiga's Zorro slots and PC/AT (ISA) slots. A real multi-talent: it's a 25MHz 80386SX PC/AT emulator for A2000/3000/3000T with integrated RAM expansion, and also a PC/AT IDE hard disk controller and optionally a PC/AT floppy controller for HD/ED floppy disk drives up to 2.88MB. Runs fully in Amiga multitasking environment, plugs directly into one of the bridge slots, many more features.  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821; (217) 356-1884*

## vortex Golden Gate 486SLC

A 25 MHz 80486 SLC PC/AT emulator for A2000/A3000 with integrated 16MB RAM expansion. Further integrates a PC/AT IDE hard disk controller and optionally a PC/AT floppy disk controller for HD floppy disk drives up to 2.88MB. Closes the gap between Amiga's Zorro slots and PC/AT (ISA) slots. \$1099.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821; (217) 356-1884*

## ◆ CABLES ◆

### 6004-23

Switch Box, 2 position, D-23 connectors. Specify gender when ordering. \$30.00  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103; (903) 848-0435*

### CA-23-MF/3

Three-foot extension cable D-23 male/female. \$16.00  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103; (903) 848-0435*

### CA-23-MF/6

Six-foot extension cable D-23 male/female. \$18.50  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103; (903) 848-0435*

### CA-4920 SCSI 2 Drive

SCSI, 50-pin flat ribbon, daisy chain. \$9.00  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103; (903) 848-0435*

### D-23P

23-pin connector, solder type. Male. \$1.40  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103; (903) 848-0435*

### D-23S

23-pin connector, solder type. Female. \$1.60  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103; (903) 848-0435*

### DataFlyer SCSI Pass Through

Cable and DB25 connector to extend the SCSI pass through to the back of the DataFlyer 500 or the A2000 case. Plugs onto the DataFlyer interface. \$23.95  
*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890*

## P-NET Cable/Adapter

Parallel network cable or adaptor for use with The Software Distillery's ParNet by Mat Dillon FF400. Allows the connection of two Amigas as a network. \$24.95  
*Design Computer Systems Inc., 4132 10th Ave. N, Lake Worth, FL 33461; (407) 967-9222*

## Standard SCSI Cable- CA-4910

SCSI, 50-pin, flat ribbon cable. \$7.50  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103; (903) 848-0435*

## ◆ CHIPS ◆

### 1 Meg x 8 SIMM

SIMM modules for most memory boards that use SIMMs. Price is for 100ns. \$22.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

### 34010 Graphics Processor

The TMS 34010 Graphics Processor. \$10.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

### 68020-16

The 16 MHz 68020 for accelerator boards. \$10.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

### 68030RC-25

The 25 MHz 68030 for accelerator boards. Other microprocessors and support chips also are available. These are full 68030 Microprocessors with MMU. \$35.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

### 68040RC-25

The 25 MHz 68040 for accelerator boards. \$150.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

### 68881-16

A 16 MHz Floating Point Coprocessor for accelerator boards. \$10.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

### 68882-33

An upgraded 33 MHz Floating Point Coprocessor for accelerator boards. Slower speeds available at lower prices. \$65.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

## DRAMs and Video RAMs

Refurbished 1MB x 1, 256K x 4, 256K x 1, 64K x 4, and 64K x 1 DRAMs and Video RAMs are available in DIP, ZIP, and surface mount packages at a fraction of new prices. All parts are guaranteed. Price and availability may change daily so call with your memory expansion requirements.  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

## Static RAMs

Refurbished Static RAMs and Pseudostatic RAMs are available in DIP and surface mount packages at a fraction of new prices. All parts are guaranteed. The 128K x 8 (1MB) Static RAMs in DIP packages or DIMM modules can be obtained for \$10. \$10.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

## ◆ CLOCKS ◆

### 12 A'Clock

The Amiga 1200 computer is just about the perfect computer—except for one thing: it really needs a clock. Now you can easily and inexpensively have one by installing the MicroBiotics 12 A'Clock board internally on the clock-header connector on the A1200 motherboard. 12 A'Clock is a simple-to-use peripheral that can automatically set your Amiga's system time and date upon startup. \$34.95  
*MicroBiotics, Inc., 1251 American Parkway, Richardson, TX 75081; (214) 437-5330*

## ◆ COMPUTER SYSTEMS ◆

### A3000T-040/200

A tower version of Amiga 3000 with 5MB RAM and 200MB hard drive. Powered by 68040 processor

# Miscellaneous Hardware

running at 25MHz, 32-bit data bus and math coprocessor on chip with 68040. Unit comes standard with one 3.5-inch floppy drive, mouse, keyboard, two mouse ports, serial and parallel ports, SCSI interface, and 15.75 and 31.5 kHz video ports (built-in de-interlacer).

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## A4000-030/120

The Amiga 4000-030 includes Advanced Graphics Architecture chip set allowing for 256,000 simultaneously displayable colors and selectable resolutions. Powered by a 25MHz EC68030, the unit comes standard with one 3.5-inch high-density floppy drive, 2MB chip RAM, 2MB fast RAM, 120MB hard drive, mouse, keyboard, two mouse ports, serial and parallel ports, IDE interface, single video port for 15.75 and 31.5 kHz vertical refresh rates (built-in de-interlacer).

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## A4000-040/120

The Amiga 4000 includes Advanced Graphics Architecture chip set allowing for 256,000 simultaneously displayable colors and selectable graphics resolutions. Unit comes standard with one 3.5-inch high-density floppy drive, 6MB RAM, 120MB hard drive, mouse, keyboard, two mouse ports, serial and parallel ports, IDE interface, single video port for 15.75 and 31.5 kHz vertical refresh rates (built-in de-interlacer), and math coprocessor on chip with MC68040.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## A600HD40

The Amiga 600HD40 comes standard with one 3.5-inch floppy drive, 1MB RAM, 40MB hard drive, mouse, PCMCIA-card slot, two mouse/joystick ports, serial and parallel ports, stereo audio, RGB, analog, color composite, and built-in TV modulator. A601 expansion card recommended with this system.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Amiga 1200 or 1200HD/40

The Amiga 1200 includes the Advanced Graphics Architecture chip set allowing for 256,000 simultaneously displayable colors and up to 60 frame per second animation. This high speed 32-bit unit comes standard with one 3.5-inch floppy drive, 2MB chip RAM, mouse, serial and parallel ports, internal IDE interface, and a single video port capable of selecting resolutions and scan rates including NTSC and VGA. A 40MB IDE hard drive unit is available.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Amiga 2000C

Features Motorola 68000; 16/32-bit; 1MB RAM standard (internally expandable up to 8 MB); 256KB ROM (includes Kickstart 1.3). One-slot Amiga CPU bus; five-slot Amiga system bus with autoconfig feature; three-slot PC bus; one video slot. Keyboard with 10 function keys; two-button mouse. Built-in 3.5-inch disk drive (880 KB formatted); mounting locations for optional 3.5-inch drive; 5.25-inch disk drive. Video: 400 lines vertical frequency 60 Hz B&W NTSC output; analog RGB out; four independent sound channels; built-in English text-to-speech device, much more.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Amiga 3000-25/50 or 25/100

The Amiga 3000 is powered by the Motorola 68030 microprocessor running at 25MHz, and features 32-bit data bus architecture, 68882 math coprocessor, built-in 3.5-inch disk drive, 94-key keyboard, mouse, and system software. Unit comes standard with 2MB RAM (expandable to 18MB on the motherboard), four Zorro III expansion slots, two PC AT™ expansion slots, one video slot, one CPU/CACHE memory slot. A 50MB hard drive and a 100MB hard drive unit are available.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Amiga 3000T-25/100 or 25/200

Tower version of A3000 with 5MB RAM, 68030 processor running at 25 MHz, 32-bit data bus, and 68882 math co-processor. Five Zorro III slots, two

Zorro/AT, two PC/AT, one video slot, and one CPU/cache memory slot. A 100MB and 200MB hard drive unit are available.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Amiga 600

The Amiga 600 comes standard with one 3.5-inch floppy drive, 1MB RAM, mouse, PCMCIA-card slot, two mouse/joystick ports, serial and parallel ports, stereo audio, RGB, analog, color composite, and built-in TV modulator.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Computer Imaging Systems

Advanced Image supplies complete computer imaging system for sales presentations in the construction industry, real estate sales, land scaping, etc. The system includes image scanning, 24-bit color processing, hard copy, and video output. \$4,800 to \$22,000.

*Advanced Image, 2 Townsend Road Rt. 13 S, Brookline, NH 03033; (603) 673-0212*

## ♦ ENTERTAINMENT ♦

### 4-Player Adaptor Cable

Connects up to four joysticks at one time. You can play two players against two, or field a team of up to three against the computer. To be used with MicroDeal's International Soccer, Leatherneck, and other future games. \$14.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### AV-8B Harrier Assault

Pilots will be thrilled to fly AV-8B as it provides full flight modelling including Vertical Short Take Off/Landing (VSTOL) and Vectoring In Forward Flight (VIFF). These features are what make the Harrier the most exciting aircraft on the planet. The scenario unfolds on the island colony of East Timor in the Indian Ocean, where a coup has taken place. The United Nations has committed forces to help the rightful government be reinstated and end the human rights violations which have been pervasion on the island. You are strategically and tactically in charge. As Commander of the Rapid Response Force, you will be given the opportunity to set up troop objectives and also fly support on attack and reconnaissance missions. You will also be accountable for the movements of your task force on a more global scale. The scenarios are limitless as real-time responses to your actions influence the eventual outcome of the war. \$59.95

*Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in*

*Vendor list; (415) 513-8929*

### Amiga Smart Port & SmartPortCal Program

Amiga Smart Port is auto-switching game port interface system. Three connectors provided for mouse, digital joystick, and fully compatible IBM PC dual analog joystick game port. Simply press the button on device to be used; automatic electronic switching does the rest. Two sets of X- and Y-axes trim adjustments provided to set analog ports for maximum performance. Includes SmartPortCal software which allows user to view all digital and analog system values, making adjustment of the four analog channels a snap. For all Amigas with any version of Workbench. \$52.95

*InterACTIVE Digital Devices, Inc., 2238 Nantucket Court, Marietta, GA 30066; (404) 516-0248*

### DP IBM Analog Interface

With this interface and an IBM joystick the Amiga owner can take advantage of the analog option programmed in many of today's commercial games (Knights of the Sky, World Circuit, Birds of Prey, more). With this interface and almost any IBM analog joystick, you'll be able to experience fluid banks, targeting ease, and incomparable maneuverability. Works with all Amigas and is nearly 100 percent compatible with all existing analog games. 90-day warranty. \$9.95 plus \$3 S&H.

*DigitPrint, P.O. Box 13016, Richmond, VA 23225; (804) 560-1769*

### Shadowlands

Shadowlands, the new role playing game developed by Teque™ utilizes a revolutionary new system, Photoscape™, a dynamic new lighting system which illuminates the the game landscape

realistically as you and your cohorts travel through the vastness which is Shadowlands. fetaturing role playing techniques familiar to aficionados, Shadowlands is also filled with fiendish traps, hidden hazzards, and some challenges too Machiavellian to even contemplate, and it is all controlled using a friendly intuitive system. Corpses, skeletons, and monsters lurk around every corner—some fatally attracted to the light you carry, others repelled by it. Light activated traps will snare the unwary...darkness may be the trigger. Shadowlands will certainly keep you on your toes. \$49.95

*Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in*

*Vendor list; (415) 513-8929*

## ♦ ENTERTAINMENT/JOYSTICKS ♦

### Amiga/MouseStick

The Gravis MouseStick is an optomechanical mouse/joystick combination. With 1200 lines of resolution, and a 16K ROM processing unit, it is a premium games device. The Mousestick editing program gives you complete control over response, speed, fire rate, and many other functions. It even provides that 'analog feel' for flight simulation software. Four of your favorite settings can be set and one can even be set as start-up, allowing you to start playing the game right away. The MouseStick includes many of the outstanding features developed by Gravis for their switch joystick, such as the foam-padded pistol-grip handle, adjustable handle tension, and three micro-switch firing buttons. The MouseStick also carries Gravis' one-year no-nonsense warranty. \$99.95

*Advanced Gravis Computer Technology Ltd., 7400 MacPherson Ave, #111, Burnaby, BC V5J 5B6, Canada; (604) 431-5020*

### Analogue Joystick Adaptor

Enables use of IBM-type analog joysticks on any model Amiga using software that provides analog joystick support. \$22.00

*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

### Ergostick

A soft, pliable, ergonomically engineered joystick that comfortably fits your hand. State-of-the-art microswitches, super sensitive touch control. \$24.99

*Suncom, 6400 W. Gross Point Road, Niles, IL 60648; (708) 647-4040*

### Gravis Amiga GamePad

The Amiga GamePad is a combination control pad and joystick, developed specifically for the many fast-action arcade and directional games on the Amiga platform. Its unique hand-held design is familiar to millions of Nintendo players. Adding detachable handle easily converts the unit to desktop use. It's also easily converted to left or right-hand play. \$24.95

*Advanced Gravis Computer Technology Ltd., 7400 MacPherson Ave, #111, Burnaby, BC V5J 5B6, Canada; (604) 431-5020*

### Gravis Switch Joystick

The Gravis Switch Joystick advances the 'art' of joystick control with a full-sized, foam-padded, pistol-grip handle, and adjustable handle tension. Turbo-fire is a new feature on each of the three buttons, providing even faster response and a greater degree of control. The joystick is durable and versatile enough to handle today's wide range of software—from the precision & control required for flight & driving simulations to the frantic and hard-hitting pace involved with action-packed, arcade-type software. Another new feature is the automatic trigger point adjustment of the tension wheel. The reaction time is faster for arcade-type games, and control is greater for the simulation software. The Gravis Switch Joystick carries a one-year, no-nonsense warranty promising dependable, long-lasting, hassle free use. \$49.95

*Advanced Gravis Computer Technology Ltd., 7400 MacPherson Ave, #111, Burnaby, BC V5J 5B6, Canada; (604) 431-5020*

### Hot Stuff

Choosing the color may be your toughest decision with Hot Stuff, a highly interactive joystick that will improve the precision of your play as well as your scores. Grab hold of the Pistol-Grip and fire away. The handle is topped off with two trigger buttons with a second set of fire buttons located on the

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Miscellaneous Hardware

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

base. Hot Stuff sports an auto-fire switch as well as four super suction feet on its base. Available in pink, blue, green, or yellow. \$10.99  
**Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787; (407) 877-2100**

## Powerplayers Joystick

Trigger-style joystick that allows easy maneuverability and rapid firepower. \$29.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949; (415) 883-3000**

## Stik-Gripper™

Stik-Gripper™ is a solid steel joystick clamp which you can clamp to your table and place your joystick in! This handy device allows rugged, one-handed play just like in the arcades! It is adjustable to fit any joystick up to 4 5/8 inches wide including Wico, Kraft, Suncom, and more! This device will definitely improve your scores on those fast-moving, hard-driving games! A must for the true gamer! \$9.99  
**Duggan DeZign Inc., 300 Quaker Lane, Ste. 7, Warwick, RI 02886; (800) 962-6107**

## Stik-Gripper™ T.C.S.

Stik-Gripper T.C.S.™ (Total Control Stand) is a patented joystick holding stand which secures your joystick front and center for one-handed arcade type action! It is a rugged, three-piece plastic stand which you place on your chair and straddle with your legs. Any joystick (including Gravis and The Flight Stick) will easily mount or dismount from it through the Velcro pads provided. It will put you in the cockpit with flight simulators as it allows you to use your keyboard and joystick at the same time! \$19.99  
**Duggan DeZign Inc., 300 Quaker Lane, Ste. 7, Warwick, RI 02886; (800) 962-6107**

## Tac-30

A competition grade joystick featuring fixed auto-fire and three fire buttons for speed, comfort, and better reaction time. Has silent microswitches and precision, aircraft-style grip. \$16.99  
**Suncom, 6400 W. Gross Point Road, Niles, IL 60648; (708) 647-4040**

## Tac-50

A competition grade joystick featuring variable auto-fire and four fire buttons for speed. Has digital microswitches array technology, providing tactile and audible feedback. Includes trigger fire grip for precise control. Lifetime warranty. \$19.99  
**Suncom, 6400 W. Gross Point Road, Niles, IL 60648; (708) 647-4040**

## UFO RC 1000

A remote joystick for use with Amigas or Atari. Closeout item. \$10.00  
**Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789; (714) 595-2490**

## Ultimate Superstick

The Ultimate Superstick is an arcade-style controller that features eight directional micro switch controls and two independent Dial-A-Speed autofires—permitting as many as 30 shoots per second! The Ultimate also comes with two sets of fire/jump buttons, each with its own operating LED, making it versatile for left- and right-handed players. The Ultimate has five suction cups allowing it to be mounted firmly on any smooth surface, and comes with a 10-foot cord allowing the gamer to play from a greater distance. \$39.95  
**Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787; (407) 877-2100**

## Zoomer 90806 (Analog/Digital)

Introducing the Zoomer-A hot console with analog 360 degree rotational control. Zoomer was designed to improve scores in every type of playing situation. Cycles, 4-wheelers, racing games, and air combat games. The Zoomer features advanced technology. Turn the wheel left or right and pull up or down. With fire buttons built into the handle, action has never been more realistic. A six-foot cord and four super strong suction feet allow for easy mounting on any smooth surface. Analog/digital switchable. Product measures approximately 11-inch H x 11-inch W x 7.5-inch D. \$89.95  
**Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787; (407) 877-2100**

## Zoomer™ 40406

Zoomer™ is a console-type controller that was designed to improve scores in every type of playing situation: cycles, 4 wheelers, racing games, and air combat games. The wheel can be turned right or left and can be tilted up or down, with 2 Dial-A-Speed auto-fire buttons built into the handle. A 10-foot cord and four super strong suction feet allow for easy mounting on any smooth surface. \$49.95  
**Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787; (407) 877-2100**

## ♦ EXPERIMENTAL HARDWARE ♦

### NES, Inc. AM-200A Prototyping Board for Amiga 2000/3000

Prototyping board for use with the A2000 or A3000. \$49.95  
**N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221; (503) 246-9311**

### NES, Inc. AM-200AZ Prototyping Board for Amiga 2000/3000

Zorro II/III pins only. \$42.95  
**N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221; (503) 246-9311**

### NES, Inc. AM-200B Prototyping Board for Coprocessor or Video Slot

Prototyping board for use in coprocessor or video slot. \$79.95  
**N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221; (503) 246-9311**

### Parallel Port I/O Board

General-purpose I/O board connects to parallel port of any Amiga. Offers 32 lines of configurable logic I/O, eight analog (8-bit A/D) inputs, and transparent printer pass-through. ARExx support is provided as is a standard Amiga library for controlling the board, which may be called from most programming languages. Diagnostic software and full source code also provided. \$130.00  
**Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752**

### Zorro II-III Prototyping Board

Prototyping board for the A2000, A3000, and A4000. Allows developers, engineers, and dedicated hobbyists to build, test, and debug custom hardware before developing a custom printed circuit board. Two-sided board designed for maximum flexibility has over 4400 plated through holes on a 0.1 grid. Main prototyping area accepts IC's in DIP packages with as many as 64 pins and IC's in PGA packages as large as 14 x 14 pins. I/O connector pattern and mounting bracket designed for D connectors with up to 25 pins. \$49.95  
**Celestial Systems, 1116-A 8th Street Ste. 165, Manhattan Beach, CA 90266; (310) 640-7734**

## ♦ FAX-SSTV ♦

### Amiga Video Terminal (AVT) System

The AVT system utilizes the graphics capabilities of the Amiga to transmit and receive high-resolution facsimile and slow-scan television images. Received images can be printed on any Amiga printer or saved on a disk file. A unique capability of the AVT mode is the 400 Hz bandwidths, instead of the conventional 1100 or 1200 Hz SSTV bandwidths. If used in conjunction with a CW filter and IF shift, this drastically improves the signal-to-noise ratio, enabling clearer reception of weak signals. Further, all video information is crystal-locked at both the transmitting and receiving stations at the start of each frame, eliminating misalignment. Another unique feature of the AVT system is its ability to send high-speed color images over telephone lines to similarly-equipped AVT system stations. There's also telephone ring detector and auto-answering. \$319.00

**Advanced Electronic Applications, Inc., P.O. Box C2160, 2006-196th S.W., Lynnwood, WA 98036; (206) 774-5554**

### ClickFAX v2.05

ClickFAX supports both sending and receiving fax documents at 9600 baud. It provides standard telecom modem capabilities, at speeds of 300, 1200, and 2400 baud with MNP level three, four, and five support. ClickFAX has three complete user interfaces. You can utilize all of the system's features from the WorkBench using the mouse, from your

CLI or Shell using simple typed commands, or via ARExx from any application, script, or macro. It can read ASCII text files, IFF graphics files, and pre-compressed '.fax' files created by itself or the AE 'SendFAX.' The system consists of an attractive external modem, cable, and support software. \$449.95

**Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230; (800) 852-6442**

### PhonePak VFX

Fax/PhoneMail system for A2000, A3000 and A4000. Each installed PhonePak card provides wealth of unique features for single telephone line. Multiple cards on single machine can work in unison or independently. DMA chip technology means Amiga's multitasking capability is undisturbed. Faxes can be received by themselves or attached to voice messages. User can create automated information system that lets callers receive both fax and voice information. Faxes can be sent to one number or group of numbers. \$399.00  
**Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770**

### Supra FAXModem Plus

This fax/data modem features 2400 bps data and CCITT V.42bis and MNP 2-5 data compression for up to 9600 bps throughput when connected to another modem supporting the same protocols. Fax: compatible with Class 1 and 2 software, Group 3 fax machines. Data: Hayes compatible, autoanswer/autodial, two modular phone jacks, adjustable speaker, compatible with most popular telecommunications software. Available with GP fax software. Five-year warranty. \$199.95  
**Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772**

### Supra FAXModem V.32 9600 Send/Receive Fax

This modem features CCITT V.32 (9600 bps data) CCITT V.42bis, and MNP 2—5, providing up to 38,400 bps throughput when connected to a modem that supports the same protocols. The SupraModem 9600 features a five year warranty, Hayes compatibility, asynchronous and synchronous operation, compatibility with most popular telecommunications software, Bell 103/212A and CCITT V.21/V.22/V.22bis protocols, autoanswer/autodial (tone or pulse), two modular phone jacks, adjustable-volume speaker, and is made in the USA. It works with any computer with an RS-232C serial port and comes with everything the user needs except telecommunications software and an RS-232C cable to connect the modem to the computer. Works with any Class 1 or 2 fax software (not included). Also available with GP fax software. \$299.95

**Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772**

### Supra FAXModem V.42bis

14,400 bps fax/data modem with V.42bis and MNP2-5 error correction/data compression offers up to 57,600 bps throughput. Compatible with Class 1 and 2 fax software, Group 3 fax machines, most popular telecommunications software. Downward compatible with lower-rate modems. 25-function status display, autoanswer/autodial, two modular phone jacks, nonvolatile memory, Hayes compatible. Also available with GP fax software. Five-year warranty. \$399.95  
**Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772**

## ♦ GRAPHICS HARDWARE ♦

### 1600GX Graphics Board

For the A3000. High resolution, accelerated, 32-bit graphics product specifically designed for users who require high performance graphics display for demanding applications such as CAD, desktop publishing, graphics production, and the X Window System. Programmable resolutions up to 1600 x 1280. Has 32-bit ZorroIII host interface. Pipelined graphics processor draws quadrilaterals, triangles, lines, points at full bandwidth of video memory. Drawing rate of 100 million pixels/second. Direct access, memory mapped frame buffer for image processing applications. Sixteen million color palette. Available separately or bundled with selected workstation quality monitors. Software includes support for Commodore's A3000UX Unix system and X windows under AmigaDOS by GfXbase. Requires A3000, ZorroIII. \$1995. \$4995 for 1600GX

# Miscellaneous Hardware

with Mitsubishi Diamond Pro 20 monitor and cable. \$1995.00  
**Ameristar Technologies, Inc., 47 Whittier Avenue, Medford, NY 11763; (516) 698-0834**

## A2000 EGS-110/24

A high-performance RGB output graphics system that offers fully programmable pixel rates from 5-110MHz in true 16 million colors (24-bit) per pixel. This enhanced graphics system plugs directly into 32-bit bus on all of GVP's combo-type 030 and 040 accelerator boards for A2000. \$2699 with 4MB, \$3499 with 8MB.

**Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770**

## DMI020

The 1280 x 1024 24 plane system makes available the full 16+ million color spectrum, and over 1,300,000 pixels. The Memory Buffer Option for the DMI020 doubles the amount of available vRAM providing for faster screen displays. Three to five times more addressable data. Programmable control up to its maximum resolution.

**Digital Micronics, Inc., 2075 Corte del Nogal, Ste N, Carlsbad, CA 92009; (619) 931-8554**

## FreezeFrame Film Recorder

This WYSIWYG film recorder allows you to capture on film any image you can display on your 1064 (or compatible) monitor. NTSC compatible for use with Toaster or DCTV. Is 24-bit capable when used with an adapter (e.g., FireCracker or OpalVision). Fast analog operation exposes 35mm slides in 15 seconds, instant prints in 30 seconds. Comes complete with both film backs and all cables. NTSC only. Requires 512K RAM, one floppy disk. \$1895.00  
**Prime Option, 2341 W. 205th St. Ste. 116, Torrance, CA 90501; (310) 618-0274**

## Merlin 24Bit graphic board

The newest graphics board form X-Pert in Germany will feature a resolution of 1280x1024 non interlaced, composite, Y/C and 15-pin sub-D output, up to 4MB of VideoRAM, and will use a Zorro II or Zorro III slot. The board will come bundled with a realtime Wordbench emulator and TV-Paint Junior, a 24-bit drawing package. Also available for the Merlin Graphic board will be 2 extension modules, which plug on the board. The first is a 24-bit video digitizer, the second will be a genlock module.

**Spectronics International U.S.A., Inc., 34 East Main St. #3, Champaign, IL 61820; (217) 352-0061**

## X-Specs 3-D Amiga System

Through these advanced high-speed liquid crystal spectacles, your computer can now independently control what each eye sees. The results are the breathtaking world of stereoscopic vision. Add new depth to presentations, CAD/CAM, and molecular or solids modeling. Play games with more realism than ever imaginable. Software and hardware included, just plug into joystick port. \$149.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609; (803) 881-7518**

## X-Specs 3D Amiga Dev Kit

Powerful software tools and extensive documentation for Amiga programmers that wish to master the utilization of X-Specs imagery. \$49.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609; (803) 881-7518**

## X-Specs 3D Generic

X-Specs glasses with generic hardware interface for adapting to IBM-PC, Mac, etc. \$79.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609; (803) 881-7518**

## X-Specs 3D Glasses

Glasses only for use with Amiga or VCR interface. \$59.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609; (803) 881-7518**

## X-Specs TV

This latest device from Haitex Resources allows images to be recorded to video tape and then replayed with stereoscopic 3-D depth. Ideal for animation or professional presentation. Compatible with NTSC composite video ONLY and requires the use of the X-Specs 3D glasses. \$169.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609; (803) 881-7518**

## ◆ HOME SECURITY HARDWARE ◆

### Intruder Alert

Allows your computer to become a monitoring, logging, or security system for your home or business. The system comes complete with everything you need for remote sensing, including detector switches and wire. Intruder Alert Monitor software allows for digitized audio alarms, speech synthesis, modem interaction, date and time stamping of events, external program launching, and utility support for BSR/X-10 controlling. \$159.95  
**Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106; (817) 737-3297**

## ◆ INPUT DEVICES/GRAPHIC TABLETS ◆

### AProDRAW® 12 x 12 inch Graphics Tablet Package

AProDraw® graphics tablets feature high resolution Summagraphics digitizing tablets with a two-button stylus, four-button puck and a multitasking driver for the Amiga. Additional program allows user to scale the tablet or screen while working to enlarge or reduce a picture. Interfaces through the serial port. Active area is 12 x 12 inches. AmigaDOS 2.0 compatible with Workbench 37.64 and Kickstart 37.175. AProDraw® 9 x 6 Inch Graphics Tablet is available for \$499. AProDraw® 18 x 12 Inch Graphics Tablet is available for \$999. \$599.00  
**R & D I Productions, Inc., 40 Liss Rd., Wappingers Falls, NY 12590-1609; (914) 298-8968**

### AccuPoint™ Accessory Pressure Pen

Accessory cordless pressure sensitive pen for use with DrawingBoardII Standard Model (included with Pressure Sensitive Model). Upgrades your DrawingBoardII to FULL pressure sensitive support. You gain instant pressure compatibility with DeluxePaint IV AGA, OpalPaint and many other applications soon to be released (when used with TriMedia's AccuPoint software). Requires TriMedia/CalComp DrawingBoardII or DrawingPad tablet. \$199.95

**TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090; (708) 520-0730**

### AccuPoint™ TCS Software Kit

TriMedia's standard setting AccuPoint software supports both CalComp and Wacom serial interface graphics tablets. Includes FULL pressure sensitive support! You gain instant pressure compatibility with DeluxePaint IV AGA, OpalPaint and many other applications soon to be released. AccuPoint brings AmigaDOS 3.0 enhanced tablet support to any Amiga running Release 2.0 and up. TriMedia developed the 'tablet.library' compatibility standard in cooperation with Commodore and Electronic Arts. Get your tablet driver from the source. Supports ALL 3.0 tablet features. Requires CalComp or Wacom tablet (check model for compatibility). \$99.00  
**TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090; (708) 520-0730**

### Amiga Wiz 6-Button Cursor

A mouse-style, six-button cursor with cross-hairs for high accuracy tracing and general pointing use. Tri-Media software included with Amiga Wiz allows assignment of button functions. Extra buttons can be assigned keyboard commands. \$75.00  
**TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090; (708) 520-0730**

### DrawingBoard II Pressure Model / AccuPoint™

A professional, pressure sensing graphics tablet. Featuring a 12 x 12 and larger active area and an amazing 2540 line per inch resolution, the DrawingBoardII series offers the highest resolution. DrawingBoardII's advanced cordless pen provides pressure, tilt and height data to compatible applications. Combining hardware by CalComp and TriMedia's standard setting AccuPoint software, you gain instant pressure compatibility with DeluxePaint IV AGA, OpalPaint and many other applications soon to be released. AccuPoint brings AmigaDOS 3.0 enhanced tablet support to any Amiga running Release 2.0 and up. Supports ALL 3.0 tablet features. Includes cordless 3-button pressure pen, corded 4-button cursor (puck), power supply, lifetime factory warranty and AccuPoint software. Uses serial port (A1000 requires gender changer). 12 inch x 12 inch: \$699.00. 12 inch x 18 inch: \$1199.00.

**TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090; (708) 520-0730**

### DrawingBoard II Standard Model / AccuPoint™

A professional, pressure sensing graphics tablet. Featuring a 12 x 12 and larger active area and an amazing 2540 line per inch resolution, the DrawingBoardII series offers the highest resolution. DrawingBoardII's advanced technology provides an upgradable 'system' tablet. You can start out with a basic corded system now, and step up to cordless and pressure sensitive operation later, just by adding the appropriate accessory pen or cursor. Combining hardware by CalComp and TriMedia's standard setting AccuPoint software, DrawingBoardII brings AmigaDOS 3.0 enhanced tablet support to any Amiga running Release 2.0 and up. Supports ALL 3.0 tablet features. Includes corded 2-button pen, power supply, lifetime factory warranty and AccuPoint software. Uses serial port (A1000 requires gender changer). 12 inch x 12 inch: \$529.00. 12 inch x 18 inch: \$995.00.

**TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090; (708) 520-0730**

### DrawingPad / AccuPoint™

A compact pressure sensing graphics tablet. Featuring a 7.7 x 7.5 active area and 1270 line per inch resolution, DrawingPad offers the highest resolution in its class. DrawingPad's advanced cordless pen provides pressure, tilt and height data to compatible applications. Combining hardware by CalComp and TriMedia's standard setting AccuPoint software, you gain instant pressure compatibility with DeluxePaint IV AGA, OpalPaint and many other applications soon to be released. AccuPoint brings AmigaDOS 3.0 enhanced tablet support to any Amiga running Release 2.0 and up. Supports ALL 3.0 tablet features. Includes cordless 3-button pressure pen, power supply, lifetime factory warranty and AccuPoint software. Uses serial port (A1000 requires gender changer). \$449.00  
**TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090; (708) 520-0730**

### IS/ONE

A total input tablet for the Amiga with interface kit and programmable menu-strip featuring five program softkeys and up to 23 function softkeys to execute batches of your pre-programmed keystrokes with one touch. Allows instant switching from application to drawing to menu picking. Available with corded cursor, cordless pen or cursor, two switch pen, or with corded 12-button cursor. Tablet sizes: 8.5 x 11, 12 x 12, 12 x 17. Also includes IS/PENCRAFT software driver. When ordering, specify Amiga Interface Kit. \$525-\$995.  
**Kurtz, 3007 East Chambers, Phoenix, AZ 85040; (602) 276-5533**

### Wiz / AccuPoint™

A compact and affordable graphics tablet (digitizer) with a 7.5 x 7.5 active area and 1000 line per inch resolution. WIZ hardware by CalComp includes a 2-button corded pen, power supply and 5 year factory warranty. Included software features TriMedia's AccuPoint tablet driver and APConfig preferences editor. APConfig's features include complete scaling control with several aspect ratio control modes, pointer button assignments, absolute or relative coordinate mode, and more. All settings are saveable as defaults. Supports multi-port serial boards. A 6-button corded cursor (puck) is optional. Requires any Amiga computer w/ AmigaDOS 1.3 or greater. Uses serial port (A1000 requires gender changer). \$299.00  
**TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090; (708) 520-0730**

## ◆ MISCELLANEOUS ◆

### Pyramid Mouse Master Switch

This Mouse Master from Omni-Eureka is perfect for typical Amiga user who uses computer for both work and play. Automatic Joystick/Mouse switch lets user keep two devices plugged into mouse or joystick port. Choose by pressing fire button on device that you wish to use. \$49.95  
**Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243**

## ◆ INPUT DEVICES/KEYBOARDS ◆

### A500 Detachable Keyboard Housing

Matching white enclosure to house existing A500 keyboard. Kit includes 6-foot coiled cable for easy attachment to A500. Lifetime warranty. \$59.95  
**Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243**

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Miscellaneous Hardware

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## AKC-1000 Keyboard Connector

Use a standard Amiga keyboard on your Amiga 1000, or use an XT-Enhanced keyboard with the KA-1 Keyboard Adapter. Quality components, lifetime warranty. For use with Amiga 1000, A2000/A3000 series keyboard, or XT-Enhanced keyboard with KA-1 Adapter. Call for free brochure. \$19.95 *Top Secret Device, P.O. Box 4592, Lexington, KY 40544; (606) 254-4706*

## AKC-500+ Parallel Keyboard Connector

Use a standard Amiga keyboard on your A500, or use an XT-enhanced keyboard with the KA-1 keyboard adapter. Plus 9-pin RGB pass-thru (FFV) and two user-accessible microswitches for ROM/accelerator/RAM switching. Features parallel operation as a dual keyboard system. Educational and industrial applications. Preferred replacement for disabled internal KB. Stylish, color-coordinated plastic unit that novices can attach without drilling. Requires only opening case and two plugs. One-year warranty. Requires A500, A2000/3000 series keyboard, or XT-enhanced keyboard with KA-1 adapter. Call for free brochure. *Top Secret Device, P.O. Box 4592, Lexington, KY 40544; (606) 254-4706*

## Concept 2000 Keyboard

For the disabled. The new Concept 2000 Keyboard attaches to the Amiga through the serial port. Simple to use software allows you to create independent overlays which will run almost all Amiga software, e.g., word processors, multimedia, etc. \$420.00 *Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

## KA-1 Enhanced Keyboard Adapter

KA-1 Series II Keyboard Adapter enables you to use the best-selling and manufactured XT-enhanced keyboards on the entire line of Amiga computers and CDTV. You can choose from the finest models in the industry: PC/XT/AT keyboards from Chicony, Focus, Frame, Honeywell, Wave, etc. Fully transparent. Includes molded extension, three mode selection, users manual, free 'PD' disk of goodies/utilities, one-year warranty. User configurable with standard AmigaDOS 1.3/2.0 keymaps; foreign keymaps supported. For A2000/3000 as shipped; A500/1000 and CDTV require matching connector. Call for free brochure. \$54.95 *Top Secret Device, P.O. Box 4592, Lexington, KY 40544; (606) 254-4706*

## Touch Screen Driver

An incredibly powerful input device. Placed in front of a standard monitor, it allows you to run almost all Amiga software by touching the screen, e.g., art programs, databases, multimedia. Allows easy and direct access to software. Detached from the screen it becomes a cost-effective graphics tablet/tracing, etc. Price includes TouchWindow. \$400.00 *Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England; (011) 4421-384-4168*

## ◆ INPUT DEVICES/LIGHT PENS ◆

### The Amiga Light Pen & Driver

New push-tip switch pen with transparent driver. Allows user to choose pen, mouse, or both for hires precision graphics. Used directly against the screen, it's as easy to use as a pencil on paper for drawing, painting, animation, and CAD. Works with most mouse-driven Amiga software programs. NTSC. For A500/1000/2000, A3000 (with frame buffer disengaged), and A4000. AmigaDOS 1.2-3.0 compatible. \$129.95 *Inkuell Systems, P.O. Box 1997, Imperial Beach, CA 91933; (619) 429-6093*

## ◆ INPUT DEVICES/MOUSES ◆

### Amiga Mouse

Compatible with all Amigas. \$74.95 *Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300*

### BOING! Mouse

A high-quality replacement mouse for the Amiga computer. No moving parts to wear out. Comes with special, reflective mouse pad. It has three buttons for use by new software and a two-year

warranty. \$125.00

*BOING, 1881 Ellwell Drive, Milpitas, CA 95035; (408) 262-1469*

### Beetle Mouse

The Beetle Mouse is an ultra-fast, highly accurate mouse designed to fit your hand. Light weight, effortlessly glides across any mouse pad. Special curve lets your hand rest comfortably. Indented waist at base allows you to firmly grip it during movement. Has resolution of 320 dpi, allowing you to use a smaller work space. Compatible with all Amigas. Comes in a variety of colors: Red/Black, Blue/Black, Black/Black, Red/White/Blue Flag, Red/Black Lady Bug. All include a mouse pad. \$39.95

*Computer Basics, Inc., 1490 N. Hermitage Rd.,*

*Hermitage, PA 16148; (412) 962-0533*

**Please see display ad in color section.**

### CLM Series infra-red (IR) Cordless Mouse

CLM-MT for the Amiga features infra-red signal transmission cordless operation, and user-friendly front panel LED. Supports quick-recharging external power connector. \$99.95 *Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### CSI 5500-BOING! Optical Mouse

Smooth optical mouse for all Amigas. Double the resolution of the standard mouse for better precision. Supports X-Windows, Amiga UNIX, and Workbench 2.0. The only optical mouse available for the Amiga. No moving parts to wear out and smooth mouse movement. Also includes free D.U.D.E. (Directory Utility/DOS Enhancer) software. \$149.00 *Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### DP IBM Bus Mouse Interface

Lets Amiga users enjoy the durability and reliability of an IBM bus mouse. Interface provides 100-percent Amiga compatibility with the Logitech Mouseman, Microsoft Bus Mouse, Logitech Trackman, and select others. These ergonomically designed mice offer accuracy of 400 dpi and possess lifetime warranties. Interface is compatible with all game and application software, has 90-day warranty. \$9.95 plus \$3 S&H. *DigiPrint, P.O. Box 13016, Richmond, VA 23225; (804) 560-1769*

### GI-1000

Fully optical mouse with no ball for all Amiga computers. \$69.00 *GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

### GI-600

Opto-mechanical replacement mouse for all Amiga computers. \$49.00 *GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

### GI-700

Cordless mouse with infrared transmission for all Amiga computers. \$99.00 *GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

### GI-7000

Cordless trackball with infrared transmission for all Amiga computers. \$119.00 *GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

### Genius Mouse

A high-quality direct replacement mouse. Teflon glides for smooth movement. Rubber-coated ball for positive traction. Six-foot connecting cable and softer, more positive button clicking. \$49.95 *Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121; (800) 782-9110*

### JP-100

Mouse pen for all Amiga computers. \$99.00 *GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807; (800) 327-4482*

### M4 Mouse

For use with Amiga 500, 1000, and 2000. \$31.95 *Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789; (714) 595-2490*

### Mouse Control

The latest invention/computer accessory from Advanced Image. The unit consists of a mounted, 8-inch spring holder for your mouse cord; keeps your workspace organized and tangle-free. An inexpensive alternative to a cordless mouse. \$9.95 *Advanced Image, 2 Townsend Road Rt. 13 S, Brookline, NH 03033; (603) 673-0212*

### OMM Series Opto-mechanical Mouse

OMM-MT or OMM-MT-S for the Amiga features rapid, smooth point-to-point movement, and aesthetic ergonomic design. Effortless operation with reliable micro-switch buttons. \$39.95-\$49.95. *Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### OPM Series Optical Mouse

OPM-MT for the Amiga features high resolution with 600mm/sec tracking speed. Effortless finger tip operated buttons. It is fast, smooth, and accurate. \$69.95 *Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### Pyramid Handy Mouse (Two-Button)

Omni-Eureka two-button Amiga replacement mouse that uses same micro switch technology as Swiftly. Excellent click and feel. \$34.95 *Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### Pyramid Swiftly Mouse (Three-Button)

Omni-Eureka beautiful three-button mouse that supports Amiga third button function. Quality built. Uses Omron micro switches for good click and feel, yet buttons are easy to operate. Operates at 300 DPI; you don't have to move it far to move pointer across screen. Attractive polished white plastic finish. \$39.95 *Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### RM300C Mouse

This mouse features 200 DPI and is compatible with all Amiga systems. \$50.00 *RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844; (408) 379-1713*

### T4 Trackball

For use with Amiga 500, 1000, or 2000. C1352 compatible. \$39.95 *Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789; (714) 595-2490*

### TKB Series Trackball

TKB-MT for the Amiga has top-quality construction with opto-mechanical encoder. Stylish two-color ergonomic design. \$99.95 *Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### TKB-A Series Crystal Trackball

TKB-MT-A for the Amiga is designed for easy, one-hand operation. High running stability to prevent data loss. Effortless operation with reliable micro-switch buttons. \$99.95 *Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

## ◆ INPUT DEVICES/BAR CODE ◆

### BarPro/B Laser Gun

High-tech industrial-quality bar code scanning laser gun (RS-232) with full software support: software to program the intelligent gun's internal features, software to print bar code labels (BarPro/A3.0), and input handler program which lets the bar code gun scan label data directly into any Amiga software as if scanned label data were typed in on the keyboard. Input handler program also makes bar code scanning gun compatible with all existing Amiga software (SuperBase, Omega File, Best Business Management, KFS Accountant, and more, even CLI/Shell command entry via scanned labels for kiosks and other automated Amiga operation without keyboard). Scans Code39, Code93, Code25, Code128, Codabar, UPC, and EAN. Complete plug-in and go solution for all bar code data entry applications on Amigas. Emulation

# Miscellaneous Hardware

support for French and German keyboards available. Emulation support for French and German keyboards available. AmigaDOS 1.2, 1.3, 2.x, and 3.0 compatible. Shipping included in North America. Inquire for abroad. \$1595.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

## BarPro/B Wand

High-tech industrial-quality bar code scanning wand (RS-232) with full software support: software to program the intelligent wand's internal features, software to print bar code labels (BarPro/A2.1), and input handler program which lets the bar code wand scan label data directly into any Amiga software as if scanned label data were typed in on the keyboard. Input handler program makes the bar code scanning wand compatible with all existing Amiga software (SuperBase, spreadsheet, even CLI/Shell command entry via scanned labels). Scans Code39, Code93, Code25, Code128, Codabar, UPC, and EAN. Complete plug-it-in-and-go solution for all bar code data entry applications on Amigas. New emulation support for French and German keyboards available. AmigaDOS 1.2, 1.3, 2.x and 3.0 compatible. Shipping included in North America. Inquire for abroad. \$699.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

## ◆ INPUT DEVICES/TOUCH SCREENS ◆

### Amiga Touch Driver

With the Amiga Touch Driver, users can use a touch screen for any Amiga application. Touch screen input, cursor control is as natural as pointing with one's finger. Users can select from menus, create drawings, and manipulate windows simply by touching the screen—without reaching, orienting, or clicking a mouse. \$395.00  
*MicroTouch Systems, Inc., 55 Jonspin Road, Wilmington, MA 01887; (508) 694-9900*

### Amiga UnMouse

With the UnMouse, all you need is this innovative mouse alternative, plus your finger. No annoying mice to locate, orient, and roll. No moving parts to break. No balls to clog, skip, or clean. No moving tails to spill coffee. The UnMouse does everything a mouse can—only faster, easier, and in less space. To move the cursor, simply slide your finger over the glass surface. To make a selection, merely press down. The UnMouse also serves as an extended keyboard. Tap the large red button and you have a Power Keypad with 16 keys instantly available to execute macros (60 in advanced mode). With its one million touch points, the UnMouse also performs as a small graphics tablet. \$235.00  
*MicroTouch Systems, Inc., 55 Jonspin Road, Wilmington, MA 01887; (508) 694-9900*

### EdMark Touch Window

EdMark touch screen easily attaches to the front of a 13-inch or 14-inch monitor. The Touch Window comes with Touch Screen Program which works with all authoring software. The touch Window inputs touch information to the Amiga serial port (RS-232). AmigaDOS 2.0 compatible. \$350.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

### Future Touch Integrated Touch Screen Monitors

Monitors come with Touch Driver Program which works with all authoring software including: Info Channel, Scala, VIVA, AmigaVision, CanDo, Foundation, The Director, C.L.A.S., The Learning Curve, Elan Performer, MediaShow, and Microtext. The monitor inputs touch information to the Amiga's RS-232 or Parallel port. Customer must specify interface required, serial, parallel, or both (\$29.95 option). Additional serial ports for the A2000 are available. (Comports). The 13-inch RGB Monitor (CBM 1084S or Open Frame): \$1249; 13-inch Multi Sync monitor (CBM 1950): \$1595; 17-inch VGA Monitor (CTX-1760): \$2295; 19-inch RGB Monitor (Sony PVM 2030): \$2595; 19-inch RGB or Composite Open Frame Monitor: \$1695; 19-inch VGA Open Frame Monitor: \$2695.  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

### GPTouch

Touch screen driver and associated asynchronous preferences program for MicroTouch Touch screens. Emulates left and right mouse operations. Several operational modes. Supports all Amiga Operating Systems on PAL/NTSC from Workbench 1.3/2.3. Connects to Touch screen via serial port and supports multiple serial boards. \$200.00  
*GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402*

### TouchLink

Turn your Amiga monitor into a touch screen with the TouchLink. Works with any Amiga software by simulating a mouse click at the point touched. Automatic calibration setup. Connects to either mouse port or CDTV parallel port. Works with the mouse in mouse port 1. The TouchLink software and controller unit work with most analog resistive touch panels. Included touch screen is a flat, 1/8-inch-thick panel with active area of 11.25 x 8.75 inches. The molded edge panel may be attached to the front of most 14-inch monitors. \$250.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136; (404) 822-0566*

### UnMouse 3-inch x 5-inch Touch Tablet

MicroTouch flat surface touch tablet, 3-inch x 5-inch, for the Amiga. Amigo's custom software allows the UnMouse (MicroTouch TM) to behave similarly to a standard Future Touch touch screen. The UnMouse serial input is converted to Amiga mouse data. Package includes UnMouse Touch Tablet, Amiga cable set, and Amigo's Future Touch Driver. AmigaDOS 2.0 compatible. \$235.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

### 24 Hour Concierge Cabinet/Kiosk

Our attractive all-steel kiosk provides a unique and durable cabinet for displaying your multimedia presentation for public use. Kiosk design features an ergonomically-placed touch screen monitor, strategic ventilation for cool operation and stereo speaker placement, easy front door access to the Amiga computer and/or laserdisk player, and an area for an illuminated sign. \$2995.00  
*Doss Industries, 1243 Howard Ave, Burlingame, CA 94010; (415) 347-2301*

## ◆ INTEGRATED MULTIMEDIA SYSTEMS ◆

### CAPS XL

CAPS XL offers a multi-user environment in which several people, working on IBM-compatible machines, Apple Macintosh and Commodore Amigas can cooperate in setting up colorful, professional presentations, which may be run 24 hours a day on public cable TV systems or inhouse video networks. Presentations or newflashes can be sent to a remote Amiga without interrupting the running show. It features script and presentation Repository, Page layout system, Object-oriented script editor, Multi-user communications via modem or wire, Electronic mail, Animations, Remote access with all popular systems, optional VCR control module. CAPS XL is unique in the way it handles editing shown at remote locations (also on character oriented workstations). Pictures can be downloaded from and uploaded to the Amiga feeding the network, to enable editing of existing screen images and adding new ones. CAPS XL is \$1399.00; additional workstation software is \$559.00; additional sendstation software is \$849.00. Distributed by Computer Video Solutions, 14B S 7th St., Akron, Pennsylvania, 17501, (717) 859-2049.  
*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands; (011) 312-0691-1914*

### CrashCorrector—Amiga Watchdog

For Amiga 500, 600, 2000, 3000, 4000. CrashCorrector is an Amiga watchdog circuit that automatically reboots Amiga after a software crash. Unit comes ready to install inside the Amiga. Four test clips provide all internal Amiga connections, leaving your ports free for other uses. Source code (SAS C) for integration into custom programs. A must for BBSs, remote sites, kiosks, or any continuous use. \$95.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136; (404) 822-0566*

### Groom

The Groom is a reception system which is distributed by a computer. It is put at the strategic crossroads of hotel receptions, training centers, and large companies. The Groom quickly and efficiently directs visitors, trainees, and guests. The Groom uses the graphic and animation possibilities of the Amiga, is user-friendly, and can be easily updated. Available for PAL, AmigaDOS 1.3 compatible. Price: 150,000FF.  
*IMEDIA, Cap 107-67, rue Robespierre, 93558 Montreuil-Cedex, France; (011) 3314-857-5959*

### IllumiLink 3.0

IllumiLink is similar to AirLink, but has the added capability of turning any wireless phone or other touch tone (DTMF) source into a remote Amiga command center. Great for live multimedia presentations. Use as a remote mouse. It connects to the second mouse port. Contains an IR receiver, IR transmitter, and DMTF tone decoder. Phone keys may be programmed for mouse mode, mouse/menu/key selections, ARexx, MIDI, serial bytes, parallel signals, or IR commands. Works as Amiga interface for 'security gate' keypads. Use a wireless phone as highly reliable remote controller for your Video Toaster or other multimedia presentation system. \$100.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136; (404) 822-0566*

### Infrared Command Center URC-3000

URC-3000 is a Universal Electronics Inc. product sold as an enhancement for AIR window users. It receives IR codes and converts them to X-10 PowerHouse codes. This control panel device can be operated manually or by any 'One For All' universal remote controller. Up to 16 different X-10 modules can be controlled with ON, OFF, DIM, or BRIGHT. The AIR window for this device is included with AirLink package. AirLink users can control X-10 devices via ARexx without tying up any Amiga ports. \$40.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136; (404) 822-0566*

### Interactive Information System 1

This system utilizes a computer system that allows the random access of information and presentations. Presentations are randomly accessed using a touch-screen monitor. This system can also be controlled by a keypad if required. Presentations can consist of slide show presentations. The slideshow presentations can incorporate music, narration, and animation to add to visual impact and help illustrate concepts. This system is used for more complex interactive multimedia applications which require the capability to handle tasks other than the random access information and presentations. \$3262.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

### Interactive Information System 2

This system utilizes a computer system that allows the random access of information and presentations. Presentations are randomly accessed using a touch-screen monitor. This system can also be controlled by a keypad if required. Presentations can consist of slide show presentations. The slideshow presentations can incorporate music, narration, and animation to add to visual impact and help illustrate concepts. This system is used for more complex interactive multimedia applications which require the capability to handle tasks other than the random access information and presentations. \$5475.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

### Interactive Video System 1

This system utilizes a video disk player with a controller that allows for the random access of presentations contained on the video disk. Presentations are randomly accessed using a keypad. This system can also be controlled by a touch screen monitor if required. Presentations can consist of real-time video or slide show presentations. The slide show presentations can incorporate music, narration, and animation to add visual impact and help illustrate concepts. \$2330.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Miscellaneous Hardware

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Interactive Video System 2

This system utilizes a video disk player with a controller that allows for the random access of presentations contained on the video disk. Presentations are randomly accessed using a keypad. This system can also be controlled by a touch screen monitor if required. Presentations can consist of real-time video or slide show presentations. The slide show presentations can incorporate music, narration, and animation to add visual impact and help illustrate concepts. \$3489.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## Interactive Video and Information Systems

This system is identical to the interactive information system except that it incorporates a video disk player which allows for the random access of real-time video presentations. \$7577.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## Kiosk

Attractive customized kiosk. You select the color. Designed to house all needed hardware components for all levels of interactive multimedia systems. The kiosk is a self-contained dolly, just tilt it back and wheel it in and out of your various presentation locations. Call for more information. \$1499.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## Kiosk Printer

A printer that can be housed within a kiosk. \$1826.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## Kiosk-Economy Directory

The Economy Directory stands four feet tall and is Amigo's lowest cost interactive Multimedia kiosk. Kiosk contains surge protector, A600 CPU, 1.0MB RAM, AmigaVision, and 13-inch stereo Color Touchscreen monitor. \$2295.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

## Kiosk-Exhibitor

Amigo's Exhibitor is a four-foot stand-alone kiosk for computer based training and other interactive multimedia applications. Kiosk contains surge protector, wiring harnesses, A3000 25MHz with 6MB RAM, 3.5-inch floppy, 50MB hard drive, stereo speaker system, A2300 genlock, 13-inch or 19-inch Color Touchscreen Monitor, and Pioneer LDV-2000 Laser Disc Player. AmigaVision, DeluxePaint IV, diagnostic software, touchscreen driver and laser player driver are included. Exhibitor Plus comes with an Amiga 4000 25MHz CPU, 120MB hard drive, and 10M RAM for \$6995. \$4995.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

## Kiosk-Multimedia

Integrated Multimedia Kiosk. Amigo offers the lowest cost implementation of a fully configured stand-alone, interactive, multimedia kiosk. Seven-foot high public information kiosk contains surge protector, wire harnesses, A3000-25MHz with 6MB RAM, 3.5-inch floppy, 50MB hard drive, Stereo Speaker System, A2300 Genlock, 19-inch color touchscreen monitor, and Pioneer LD-V2000 Laser Disc Player. AmigaVision, DeluxePaint IV, diagnostic software, touchscreen driver and laser player driver are included. \$5395.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

## Kiosk-Presenter

Stand-alone four foot kiosk contains surge protector, CDTV 1000 CPU with CD-ROM, 1MB RAM, CD1300 genlock, Pioneer LD-V2000 Laser Disc Player, and 13-inch Stereo Color Touchscreen monitor. \$3795.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

## Mitsubishi Touch-screen Monitors

Mitsubishi Touch-screen monitors: 13", 16", and 19". 13"—\$2063. 16"—\$2993. 19"—\$4013.  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## PowerMid PM5900

PowerMid PM5900 is an X-10 (USA) Inc. product sold by Geodesic as an enhancement for AIR Window users. The PowerMid PM5900 is a pair of 4-inch high pyramids, one IR to RF transmitter unit, and one RF Receiver to super bright IR unit. Enables IR signals to be distributed throughout a building via radio waves. Use your remote controllers from any room in the house. \$50.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136; (404) 822-0566*

## Production Services

Design Mirage provides production services for all types and levels of interactive multimedia systems. We have produced systems for hospitals, the defense industry, trade shows and exhibits, and a variety of other applications. Call today for more information on our production services.  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## TV Tools

TV Tools is a global multimedia communication system. It can display images in Amiga or 32-bit format with video effects, play animations, command MIDI, video disk and VTR, control modem transmissions in RTC, RNIS, NUMERIS, TRANSPAC, or by satellite. TV Tools takes full advantage of the Amiga's multi-tasking capability. TV Com, the transmission module of TV Tools, is available separately. NTSC/PAL. UK Sterling £1600.  
*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland; (011) 4489-687-583*

## Video Disk Mastering with Chapter Stops

Video disk mastering with chapter stops. \$545.00  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## Vistem

Visitor location and information and directory system. For use in hospitals, theme parks, hotels, visitor information stations, and corporate centers. Call for more information.  
*Design Mirage, Inc., 141 West Beaver Ave., Suite #9, State College, PA 16801; (814) 238-6621*

## ◆ MODEMS ◆

### 1670 Stand-Alone Interface

Our 1670 Stand-Alone Interface allows you to use the Commodore 1670 modem on all Amiga machines. Powers itself and 1670, has 3-foot cable, status LED's, on/off switch, and modem reset switch. Can be used on any computer that has RS-232 serial port. The 1670 Stand-Alone Interface comes with complete instructions and is easy to set up and use. \$44.95  
*LRA Enterprises, 35615 Avenue D, Yucaipa, CA 92399*

### Baud Bandit 2400

A 2400-baud fully Hayes-AT-compatible modem. Has fully worded LED readout panel and privacy circuitry shielding. Sleek, black exterior design. \$169.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### Baud Bandit MNP/Level 5 Plus

Advanced 2400 baud modem with 100% error-free transmission. MNP/Level 5 compression technology doubles transfer rate up to 4800 baud. \$199.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

### Minimodem-AM24

2400 baud modem specifically built for A500 and A2000. Powered from Amiga serial port. Includes self test, built-in speaker, and status LEDs. Complete with terminal software, phone cord, and serial cable. Compatible with phone systems worldwide. \$99.95  
*APROTEK, 9323 West Evans Creek Road, Rogue River, OR 97537; (503) 582-2120*

### Supra Modem 2400

2400 baud modem. Hayes-compatible with AT commands and common protocols. Features non-volatile memory, and more. Five-year warranty. \$149.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## Supra Modem 2400 Plus

Supra Modem 2400 Plus adds MNP levels 2-5 & CCITT V.42-bis error correction & data compression protocols to standard Supra Modem 2400 features. These protocols let the user get up to 9600 baud, error-free throughput when communicating with modems with the same protocols. Five year warranty. \$179.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## Supra Modem 2400 zi Plus

Includes ATalk III software. Internal 1/2 card 2400 baud modem for A2000. Hayes-compatible. That features non-volatile memory, and more. Supports up to five modems per computer. Adds MNP levels 2-5 and CCITT v.42-bis error corrections and data compression. Five-year warranty. \$199.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321; (800) 727-8772*

## ◆ MONITORS ◆

### 1084S Monitor

RGB/composite color maximizes your computer's video capabilities. High resolution, sharp image, superior color, and stereo sound. Compatible with C64, C128, and entire Amiga line. Also compatible with VCR and television tuners. Hue, brightness, contrast, sharpness, and volume controls in front. Built-in stereo amplifier, speaker, and earphone jack. Analog RGB, Digital RGBI, NTSC composite, audio, and separate Luna/Chroma. \$388.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### 1960 Multiscan Color Monitor

RGB analog and RGBI (digital) monitor capable of scanning video signals from 15-36 kHz. Maximum resolution is 1024x768. \$699.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### PanaSync C1381

The Panasonic PanaSync C1381 offers the high-resolution color display of IBM's 8514/A video adaptor. Panasonic has aggressively positioned the PanaSync C1381 to provide business users with the industry's first affordable color display option. Features include: up-front controls, non-glare screen, and tilt-and-swivel stand. \$699.00  
*Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

### Sony CPD-1604S Multiscan Monitor

A 17-inch color multiscan monitor that provides a high resolution, up to 1024 x 768. Display features a 0.25mm Super Fine pitch aperture grille and features low magnetic emission technology. Trinitron picture tube technology delivers a clear, sharp color image. Text is crisper and easier to read, especially with small type. \$1699.95  
*Sony of America, Sony Drive, Park Ridge, NJ 07656; (201) 930-1000*

## ◆ MONITOR ACCESSORIES ◆

### FLICKER MASTER

The low-cost solution to interlace flicker. FLICKER MASTER is a filter screen 10.5-inch x 13.5-inch (26.7 cm x 34.3 cm) that attaches to the face of your monitor with four velcro pads, allowing easy removal for cleaning. Improves contrast of your display in all modes, but is especially helpful in reducing flicker in the interlace display modes. A great companion to your video, CAD, graphics, or publishing programs. Very helpful on PAL systems. Works on any 13- or 14-inch monitor that has enough flat surface to allow the 1-inch velcro pads to stick. Distribution in USA, Europe, Australia. \$17.95  
*Hutchinson Companies, 110 W. Arrowsdale, Houston, TX 77037-3801; (713) 448-6143*

### NoRad Shield

Anti-glare/static/radiation filter grounded filter reduces flicker in high-resolution or interlace mode. Grounded for full elimination of static and electromagnetic radiation. Won't attract dust or reflect light. Easy maintenance. \$129.95  
*Brookfield Communications, 2100 Mayview Drive, Los Angeles, CA 90027-4636; (800) 533-dB60*

# Miscellaneous Hardware

## ProfessionalPlus Glare/Guard™

Concerned about vision problems after long hours in front of your computer? OCLI's Glare/Guard filters relieve computer-related eye symptoms such as eyestrain, blurred vision, double vision and headaches by eliminating glare up to 99%. ProfessionalPlus also eliminates ELF/VLF E-field (electric field) radiation by 98 percent and neutralizes static charge. The modernized ProfessionalPlus filter is an essential part of the universal workstations appearing in offices everywhere, and is now available in a universal model which fits hundreds of monitors. Sizes available to fit the Commodore Amiga 1084S, 1801, 1802, and 1902A. \$99.00  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397; (800) 545-OCLI (6254)*

## RGB-Monitor-Cable

RGB monitor cable. We manufacture any length and pin-out for any known RGB monitor to be used with an Amiga. NTSC/PAL, A-Max II. Workbench 2.0 compatible. From \$25.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## SoftTouch™

SoftTouch is a part of OCLI's GlareWare accessory line for computers. SoftTouch is a lint-free, hand-selected natural chamois specially prepared for cleaning fine optical surfaces. SoftTouch is enclosed in every Glare/Guard® Professional Plus™ box, and is also available as a separate item. \$5.95  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397; (800) 545-OCLI (6254)*

## TTL-Monitor-Cable

TTL monitor cable for any Amiga. Plugs into the RGB port; allows you to use most of the minor flickering black and white TTL monitors. Also known as b/w Hercules Monitor (Commodore 1402). NTSC/PAL, A-Max II. English/French/German manual. Workbench 2.0 compatible. \$39.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## TTL-Monitor-Y-Cable

TTL monitor cable for any Amiga. Plugs into the RGB port; allows you to use most of the minor flickering black and white TTL monitors. Also known as b/w Hercules Monitor (Commodore 1402). Simultaneously runs any RGB monitor. NTSC/PAL, A-Max II. English/French/German manual. Workbench 2.0 compatible. \$59.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## The Switch Man

The Switch Man allows the user of any bridge-board-VGA, SVGA card to share the same monitor as your Amiga video output. This manual switch easily makes connecting two 15-pin outputs to one 15-pin monitor. With the flick of a switch you can view either your Amiga graphics on your monitor or your PC graphics. The Switch Man even comes with all the necessary cables to hook up both video outputs to your monitor. So stop unplugging and plugging in your monitor and start switching screens with the Switch Man. \$46.95  
*Mach Ten Computers, ; (800) 925-3587*

## VGA-Monitor-Cable

VGA monitor cable. We manufacture any length and pin-out for any known VGA monitor to be used with an Amiga. Send us the pin-out of your monitor. NTSC/PAL, A-Max II. Workbench 2.0 compatible. From \$29.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## VGA-Switch

VGA switch buffered to switch between Amiga RGB and a VGA PC video card. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$95.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## VOPEX-3A12H

A video splitter that allows 12 monitors to be attached to a single computer. With 230MHz bandwidth, the highest resolution monitors will display an image as crisp as the original. This unit can handle displays up to 1500 by 1500 resolution. All connectors are female BNC. Monitors can be placed up to 500 feet away by utilizing coax extension cables. Amiga interface cable available for an additional \$20.00. One year warranty. \$2100.00  
*Network Technologies Incorporated, 7322 Pettibone Road, Chagrin Falls, OH 44023; (800) RGB-TECH*

## Vantage

The Vantage, also made of tempered glass, but without the anti-glare coating on the back surface of the glass or the conductive coating, reduces glare up to 95 percent. In addition, it enhances contrast, sharpens data on the screen, reduces the halo effect, and eliminates screen flicker. The Vantage has sizes to fit the Amiga 1080 and the Amiga 1084S. \$59.00  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397; (800) 545-OCLI (6254)*

## XTRACTOR+

New tool offers serious challenge to more conventional tools that are twice the price. Combination chip puller/torx screwdriver. Pulls both PLCC and DIP chips. Torx #10 screwdriver allows for problem-free entry into motherboard. No more broken chips or sockets. \$12.95 with Torx; \$9.95 without Torx.  
*Better Concepts, 22 N. Main St, Ste 393, New City, NY 10956; (800) 25-AMIGA*

## vortex Monitor Master

Small external box connecting both an EGA/VGA graphics card and the Amiga video output with just one Multisync monitor. External connector for Monitor Master is integrated on both Golden Gate 386SX and 486LC. \$128.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821; (217) 356-1884*

## ◆ NETWORKING ◆

### ARNIS

ARNIS is a network operating system for Amigas, based on the UNIX protocol UUCP. Its functions are electronic mail, remote file copy, remote process launching, remote shell access (maintenance), electronic news, installation and configurations models, and deferred launching of remote commands. ARNIS offers a high quality of graphic interface. All the actions are done through icons, menus, and limited keyboarding zones. NTSC or PAL, AmigaDOS 2.0 compatible. Price: 2500FF.  
*IMEDIA, Cap 107-67, rue Robespierre, 93558 Montreuil-Cedex, France; (011) 3314-857-5959*

### AS225 Network Communications Software

TCP/IP and UDP/IP Protocol support for Department of Defense and other TCP/IP Network applications. Network File System Client Application Support. VT100 Network Terminal Emulation. Supports LEthernet solutions based on both Thick and Thin Ethernet (Cheappernet). Requires 1MB RAM. \$199.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Alan-FS

Allows Amiga computers to be connected together via A2065 Ethernet LAN Board and AS-225 to form a network environment. Alan-FS provides either client/server or peer-to-peer access to any device conforming to AmigaDOS packet interface for IPC. Alan-FS is sold as a site license, for unlimited use at one physical location. Requires AmigaDOS 2.0, AS-225, A-2065. \$500 Canadian.  
*Canadian Prototype Replicas, P.O. Box 8, Breslau, Ontario, Canada N0B 1M0; (519) 884-4412*

### Amiga Arcnet Network Adapter (A2060)

Arcnet Network Adapter for the Amiga 2000 and 3000 series. \$229.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Amiga Client Software for Novell NetWare

ACS adapts any standard Novell NetWare network to allow Amiga computers to act as workstations or clients. ACS can be added to any existing Novell NetWare system running Version 2.15 or higher. Amiga users enjoy all the network capabilities available to IBM and Macintosh workstations. Users receive their own personal set of Amiga Preferences—including network printing preferences—automatically when they login from any Amiga on the network. Priced from \$199 for one Amiga workstation to \$1,799 for 50 Amiga computers on Novell NetWare network. Larger network configurations available. Australian distributor: GP Software (see Vendor Information).  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
**Please see display ad page 171.**

### Amiga Ethernet Network Adapter (A2065)

Ethernet Network Adapter for the Amiga 2000 and 3000 series. \$331.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### Amigo MultNet

Parallel port networking software and hardware for the family of Amiga Computers. The software is designed to provide bi-directional communication for up to 16 Amiga computers on the parallel port. Package consists of software, and a buffer for daisy chaining two computers on the parallel port. A tee connector is provided to add additional computers to the network. Additional buffers may be added to allow for increased cable distance between them, \$35. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

### AmigoArcNet

AmigoArcNet software is designed to provide Arcnet Local Area Peer-to-Peer networking with Commodore's Arcnet Network Interface Adapters: A560 for the A500, or the A2060 for the A2000, A3000, or A4000. The software provides bi-directional communication for up to 256 Amiga computers using Commodore's Arcnet Network Interface Adapters. The AmigoArcNet package consists only of software, and a package is required for each computer on the Network. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

### AmigoEtherNet

AmigoEtherNet software is designed to provide Ethernet Local Area Peer-to-Peer networking with Commodore's Ethernet Network Interface Adapter: A2065 for the A2000 or A3000. The software provides bi-directional communication for up to 16 million Amiga computers on Commodore's Ethernet Network Adapters. The AmigoEtherNet package consists only of software, and a package is required for each computer on the Network. Software \$250 per node or Hardware/Software \$581 per node. Site licenses available. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

### AmigoNet

Serial port networking software for the family of Amiga computers. The software is designed to be used on the serial port of all Amigas and the computers may be networked with Amigo's serial port expansion (eight channels) card Comports on an Amiga 2000, 3000, or 4000. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*  
**Please see display ad page 68.**

### CAL 032 Superlink

A2000 interface internal plug-in card. Supplied with CatenaNet software, which provides a print spooler, access to remote files and peripherals, and interworks with SimpleNet. Price unavailable.  
*Nine Tiles, 25 Greenside, Waterbeach, Cambridge, England CB5 9HW; (011) 4422-386-2125*

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Miscellaneous Hardware

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## CAL 042 Superlink

A500 interface. Plugs into expansion connector on side of A500. Supplied with CatenaNet software. Price unavailable.  
*Nine Tiles, 25 Greenside, Waterbeach, Cambridge, England CB5 9HW; (011) 4422-386-2125*

## DoubleTalk 2000/3000

A fully AppleTalk™-compatible network system for A2000/3000. Allows full networking with Amiga and Macintosh™ computers. Operates at double speed on Amiga-only networks. \$449.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## DoubleTalk 500

A fully AppleTalk™-compatible network system for the A500. Allows full networking with Amiga and Macintosh™ computers. Operates at double speed on Amiga-only networks. \$499.95  
*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## ♦ PORT EXPANSION ♦

### A2232

The A2232 is a multi-serial port card that provides the Amiga user seven additional RS232 ports. Each port can operate independently or simultaneously, and provides speeds up to 19.2K Baud. Additionally, the A2232's shared on-board RAM and dedicated micro-processor provide high-speed operation and full multitasking which is critical for many of the sophisticated applications that have been developed on the Amiga. \$388.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### BusExpander™

Sub Assemblies turn a baby AT box and power supply into A2000-compatible expansion chassis. Has six Amiga slots and six to eight IBM slots. Supports autoconfigure, bus arbitration, and bus contention detection. Connects to either the A500 or A1000. \$395.00  
*Bill's Boards, 9528 Miramar Road, Suite 181, San Diego, CA 92126; (619) 486-0908*

## Comports 8, RS-232 Communications Interface

Comports is an eight channel serial expander for the A2000, A3000, or A4000. It enables the computer to function as a true multitasking workstation supporting devices which work with RS-232 serial ports such as modems, laser discs, video equipment printers, tablets, etc. The communications compatibility list includes all programs which call the Amiga's Serial Device and other programs which use the board's advanced communication features. Upgrades to support full MIDI are available. Various breakout boxes/cabling arrangements are available. AmigaDOS 2.0 compatible. \$379.00

*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*

**Please see display ad page 68.**

## Dual Serial Board

The DSB adds two RS232 expansion serial ports to ZorroII slot equipped Amigas. Reliable operation at all standard RS232 baud rates from 110 to 115,200 baud, with full XON/XOFF or RTS/CTS hand shake support. Requires Zorro II slot. \$299.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

**Please see display ad in color section.**

## IO Extender for A2000/A3000/A4000

With two high-speed multifunctional serial ports and one bidirectional parallel port that is Amiga or IBM configurable, this board allows almost unlimited connection possibilities. The 16-byte serial port hardware buffers prevent data loss even at very high baud rates. Built-in Amiga ports can be left free for other uses. Optional MIDI expansion box allows up to two 16-channel MIDI buses. Optional connector available for future expansion. \$199.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406; (215) 337-8770*

## M-Digit

M-Digit is an audio digitizer to be used with any standard audio digitizer software, for example,

Audio Master from AEGIS. Runs at any speed. NTSC/PAL. English/French/German manual. For A500, 2000, and 3000—A1000 on request. Workbench 2.0 compatible. \$56.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Microshare MCS 1050

The MCS 1050 interface is an external device that converts the Amiga's centronics (parallel) port signals into IEEE-488. No software is required and the unit is fully user transparent. Allows connection of Commodore PET or any other IEEE printer. For any Amiga, any OS. One-year warranty. \$239.95  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

## PPA-1000

Allows use of A500,2000,3000 specific peripherals on A1000. Works with Digi-View and Digi-View Gold, Perfect Sound Audio Digitizers, PP&S Framegrabber, printer cables, and virtually any device that uses the parallel port. \$19.95  
*Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232; (813) 378-5791*

## PPA-2000

Allows use of A1000 peripherals on A500, 2000, 3000. Works with Digi-View, Digi-View Gold, Perfect Sound Audio Digitizers, PP&S Framegrabber, printer cables, and virtually any device that uses parallel port. \$19.95  
*Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232; (813) 378-5791*

## Parallel Port Adapters

These adapt the A1000 to A500/2000 parallel port and vice versa. Separate product for each conversion. \$25.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## PrInterface

PrInterface is a cost-effective solution to the problem of where to connect a printer by adding a second centronics compatible parallel output port to the A500, A1000, or A2000 and redirecting all printer data bound for the Amiga's parallel port to the PrInterface port. No more cable swapping, switch throwing, or digitizing noise. When it's time to digitize, the digitizer software talks directly to the digitizer. When it's time to print, the system talks to the printer through PrInterface. More than just a switch, PrInterface supports full Amiga multitasking, allowing you to print while the Amiga's parallel port is in use. And PrInterface works through Preferences, assuring full compatibility with all printers supported by the system. \$89.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## Printer-Y-Cable

Printer-Y-Cable replaces the dangerous switches. Two computers run one printer. Print job: first come, first served. Can be cascaded. English/French/German manual. Workbench 2.0 compatible. \$180.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Slingshot

New adapter board for A500 and A1000 makes it a snap to use A2000 cards. Slingshot slips onto A500 expansion port; converts it into 100-pin A2000 slot ready for that special hard drive controller, memory expansion, or multi serial port board. For A500/1000. \$39.95  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

## VCR 8, 8 Channel VCR Controller Interface

VCR 8 is eight-channel VCR controller for the Amiga 2000, 3000, and 4000. Enables the computer to control up to eight external VCRs. Currently a Scala/Infochannel EX software driver is available to control eight Panasonic AG1000B VCRs. Other VCR drivers being developed. AmigaDOS 2.0 compatible. \$899.00

*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*

**Please see display ad page 68.**

## VOPEX 2V/4V/8V/16V

These video port expanders enable 2,4,8, or 16 VGA monitors to be driven by a single PC or VGA-compatible Amiga, allowing the same high quality image to be displayed in multiple locations. Operating distance for all monitors can be extended up to 500 ft for VGA and 250 ft for SVGA or XGA using our VEXT-xx cables. Ideal for presentations or classrooms. Priced from \$285—\$1,250.  
*Network Technologies Incorporated, 7322 Pettibone Road, Chagrin Falls, OH 44023; (800) RGB-TECH*

## ♦ PRINTERS ♦

### Canon BJ300/330 Printer Driver

Fastest, most efficient Canon BJ driver. Works for all Canon BJ series from BJ10-BJ330. Supports printer densities up to 360 x 360 dpi. Compatible with PageStream and Professional Page. 50 Australian dollars.

*GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402*

### Canon BJC800 Color Printer Driver

Amiga printer driver for Canon BJC800 full-color A3 bubblejet printer. Supports densities up to 360 x 360 dpi. Prints 24-bit color with AdPro. 100 Australian dollars.

*GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402*

### Canon FP510 Color InkJet Printer Driver

Amiga printer driver for Canon FP510 full-color inkjet printer. Supports gamma correction of printed image for computer graphics, video capture, and scanner input. Price on application.

*GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402*

### ColorPage Plus Printer

Full-color 300 dpi printer uses thermal process for bright, sharp color prints up to 11 x 17 inches. Print IFF24 files using AdPro 2.0. Produce overhead transparencies for business presentations. Make T-shirt transfers for fun and profit. For all Amigas (A1000 requires adapter). Requires 1M RAM, minimum 5M (hard disk or RAM), accelerator recommended. \$8995.00

*Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501; (310) 618-0274*

### ColorPage Printer

Full-color 300 dpi printer uses thermal process for bright, sharp color prints up to 8.5 x 12 inches. Print IFF24 files using AdPro 2.0. Produce overhead transparencies for business presentations. Make T-shirt transfers for fun and profit. For all Amigas (A1000 requires adapter). Requires 1MB RAM, minimum 5M (hard disk or RAM), accelerator recommended. Price: \$3495. ColorPage Printer with ImageMaster PostScript RIP & 16M: \$4995.  
*Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501; (310) 618-0274*

### ColorRight w/ImageMaster PostScript RIP & 16M

Full 24-bit color 300 dpi dye sublimation printer produces true photographic-quality prints up to 8.5 x 12.3 inches image size. \$10995.00  
*Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501; (310) 618-0274*

### DeskJet

A 300 dpi monochrome ink jet printer. Print quality just short of laser quality. \$795.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899; (619) 592-4676*

### DeskJet PLUS

An updated version of the DeskJet, offers 300 dpi monochrome, ink jet printing. This serial printer prints at 120 cps offering graphics at one to two minutes per page. The DeskJet PLUS offers better paper handling and faster processing than the original DeskJet. \$1495.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899; (619) 592-4676*

# Miscellaneous Hardware

## Enhanced Sharp JX-730 Printer Driver with palettes, Version 2.0

The Amiga printer driver is for use with the Sharp JX-730 color Ink-Jet Printer. The printed output can be varied from light to dark using the density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (i.e., blue on screen prints as blue on paper, not as purple). Four Workbench 1.3- and 2.0-compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling in the U.S. \$34.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114; (617) 367-3229*

## Enhanced Tektronix ColorQuick Printer Driver with palettes or pictures, Version 1.01

The Amiga printer driver is for use with the Tektronix ColorQuick Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Four Workbench 1.3 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling in the U.S. \$34.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114; (617) 367-3229*

## Enhanced Xerox 4020 Printer Driver with palettes or pictures, Version 2.01

The Amiga printer driver is for use with the Xerox 4020 Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Four Workbench 1.3 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling in the U.S. \$34.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114; (617) 367-3229*

## KODAK SV6510 Driver

The KODAK SV6510 is a 24 bit-per-pixel dye sublimation printer which creates prints measuring 4 x 5 inches in size. This driver completely integrates the KODAK SV6510 into Art Department Professional. Any image which can be loaded into or created within ADPro can be quickly sent to the SV6510. Requires ADPro and a KODAK SV6510 printer. \$250.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

**Please see display ad in color section.**

## KX-P4420 Laser Printer

The new KX-P4420 laser printer is a low-cost printing solution that fills the bill by combining price and performance, and represents one of the best values for the small business and home professional markets. It offers exceptional print quality, quiet operation, and speed. \$1395.00  
*Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

## LaserPrinter 4

Four-page-per-minute laser printer which incorporates RISC-based processor for faster throughput speed. Full compatibility with HP LaserJet IIP, both hardware and software. Has 1MB standard memory, expandable up to 5MB. Comes bundled with Turbo25 font cartridge offering 151 fonts. Two-year limited warranty. \$1395.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## LaserPrinter 4 Starscript

Four-page-per-minute, PostScript compatible laser printer with parallel, RS-232C serial and AppleTalk interfaces. 2MB standard RAM, 35 resident outline fonts. RISC-based processor enables high-speed

throughput of complex graphics. Two-year limited warranty. \$1995.00

*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## MPS-1270 Ink Jet Printer

Black and white quality ink jet printer, 160 characters per second output. \$223.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## NX-1001 Multi-Font

A 9-pin dot matrix printer that offers draft printing speed of 180 characters/second and near letter-quality speed up to 75 characters/second. Five resident fonts and convenient paper handling including paper parking. Two-year limited warranty. \$229.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## NX-1020 Rainbow

A 9-pin dot matrix printer that prints out in seven colors. Draft printing speed up to 225 characters/second. Advanced features allow bi-directional printing; paper feeding from top, bottom, rear. Very quiet and easy to use. Two-year limited warranty. \$229.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## NX-1500 Multi-Font

A 9-pin dot matrix printer with high-speed printing, 180 cps in draft mode. Prints hi-res text and graphics. Comes with four near-letter-quality fonts and IBM/Epson compatibility. Two-year limited warranty. \$499.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## NX-2415 Multi-Font

A 24-pin dot matrix printer with blazing 200 cps speed in draft mode; up to 66.7 cps letter-quality mode. Four resident letter-quality fonts and full IBM/Epson compatibility. Forward/reverse micro-feeds let you position paper exactly where you want it. Two-year limited warranty. \$599.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## NX-2420 Multi-Font

Cost-effective 24-pin dot matrix printer with seven resident fonts. Offers hi-res graphics up to 360 dots per inch. Superior paper-handling features include convenient paper parking, rear and bottom feeding. Two-year limited warranty. \$449.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## NX-2420 Rainbow

A 24-pin dot matrix printer that offers seven-color printing. High-speed draft mode with speeds up to 250 cps. Letter-quality mode with speeds up to 100 cps. Hi-res graphics up to 360 dpi. Seven resident fonts. Two-year limited warranty. \$499.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## NX-2430 Multi-Font

A 24-pin dot matrix printer with high-end features including front panel LCD display, font scalability, WYSIWYG capability, and auto emulation change. A standout value for small business and home office users. Two-year limited warranty. \$399.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## PaintJet Color Graphics Printer

With a high-resolution 180 dpi, the PaintJet offers color printing for the Amiga. Near-Letter-Quality (NLQ) mode offers printing as fast as 167 cps. Amiga Workbench 1.3 supplies a printer driver. Supports all Amiga resolutions and modes. \$1395.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899; (619) 592-4676*

## PaintJet XL

Similar to the PaintJet Color Graphics but offers printing three times as fast. Also allows single-sheet feed as well as tractor feed and paper sizes up to 11 x 17 inches. \$2495.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899; (619) 592-4676*

## SBP-10 Plus

This heavy-duty 18-pin business printer boasts original+five copy multi-part forms handling, letter quality printing, draft print speeds up to 800 cps and a push/pull tractor with zero-tear-off. The SBP-10 Plus front control panel features a 32-character LCD readout. A group switch stores up to 10 group settings of up to 40 combinations of mode, pitch, paper-feed, and more in memory. \$4495.00  
*Seikosha America Inc., 10 Industrial Avenue, Mahwah, NJ 07430; (800) 338-2609*

## Sony UP-D7000 Digital Color Printer

The Amiga and Video Toaster can now utilize the powerful Sony UP-D7000 dye sublimation color printer for photorealistic printed output with QuickPrint software from KarmaSoft. The UP-D7000 delivers high quality prints at remarkable speed in a package that is reasonably priced. The printer supports 256 gray levels of color which translates into over 16 million colors. The printer will run on any Amiga with Workbench 2.0 or higher and at least 2MB RAM.  
*Sony of America, Sony Drive, Park Ridge, NJ 07656; (201) 930-1000*

## StarJet SJ-48

Highly functional, multi-purpose, four-pound ink jet printer designed for executives on the move. Very quietly prints virtual laser-quality on almost any type of job in office, home, hotel room, airplane, or train. Two-year limited warranty. \$499.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## Super-DJC2

Super-DJC2 is a thoroughly redesigned driver for all HP DeskJets, including the new color 550C. Along with superior color correction and selection it provides 4 selectable lightness/darkness levels, 4 types of black including true black, 3 shingling and 2 depletion choices and colored text. Add to this access to all internal fonts; choice of Letter, Legal, A4, and Envelope; suppression of unwanted page feeds and preformation skip. Enhanced AmigaDOS command codes; as well as 14 powerful extended commands. Requires AmigaDOS 1.3-3.0, for any Amiga, and any HP DeskJet. \$50.00  
*Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580; (607) 648-4082*

## XB-2420 Multi-Font

A 24-pin, heavy-duty printer for high-quality, fast output applications. Four print modes—from high speed draft mode, 375 cps, to super letter-quality mode. Handles single sheet and fanfold paper. Color printing option. Two-year limited warranty. \$749.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## XB-2425 Multi-Font

A 24-pin, heavy-duty, wide-carriage printer for high-quality, fast output applications. Four print modes—from high speed draft mode, 375 cps, to super letter-quality mode. Handles single sheet and fanfold paper. Color printing option. Two-year limited warranty. \$949.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## XR-1020 Multi-Font

Industrial-strength printer able to print up to 420 cps. Three printing speeds—high speed draft, draft, and near-letter-quality. Contains 16 resident fonts, simple pushbutton control panel, and color option. Two-year limited warranty. \$549.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## XR-1520 Multi-Font

Wide carriage, industrial-strength printer able to print up to 420 cps. Three printing speeds—high speed draft, draft, and near-letter-quality. Contains 16 resident fonts, simple pushbutton control panel, and color option. Two-year limited warranty. \$699.00  
*Star Micronics America, 420 Lexington Ave, Ste 2702, New York, NY 10170; (212) 986-6770*

## ◆ PRINTER/BUFFERS ◆

### Microshare MCS 8004/MCS 8008

The MCS 8004 and MCS 8008 are intelligent multi-use printer buffers and spooler combinations. They

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Miscellaneous Hardware

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

allow up to four or eight computers to share a single printing device, even if the computers are of different makes. No software is required and the system is completely user transparent. For any Amiga, any OS, any other computer systems with parallel ports. One-year warranty. U.S. \$399/\$499. *Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

## SA-10 EPROM Programmer

Stand-alone programmer capable of programming the 2716 to 4MB devices. The SA-10 comes standard with 1MB (128K) of memory, and can be upgraded to 8MB using 1MB DRAM. The SA-10 features a 4 x 20 character LCD, 20-key tactile keypad, RS232, and parallel in and out. The SA-10 can communicate with the Amiga using any standard ASCII terminal software via the serial port up to 115K baud. The printer-out port allows direct printing of data or macro configurations, or you can use the SA-10 as a printer buffer equal to the amount of installed DRAM. \$550.00  
*Needham's Electronics, 4539 Orange Grove Ave., Sacramento, CA 95841; (916) 924-8037*

## ◆ PRINTER/LASER ◆

### LaserJet IIP

Four-page per minute, low-cost laser printer. Extremely small footprint. \$1295.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899; (619) 592-4676*

### PC Laser 6000/PS

This versatile printer offers Hewlett-Packard's LaserJet Series II emulation. In PostScript mode, users can produce newsletters, brochures, presentation material, computer-aided design, and other highly formatted text and graphic output, and is compatible with many popular software packages. With its parallel, RS-232C serial and RS-422 (Appletalk) interfaces, the PC LASER 6000/PS is compatible with IBM personal computers and compatibles as well as with Apple and Macintosh computers. It prints full-page bit-mapped text and graphics at 300 dpi, and features 35 typefaces in 11 fonts for use in the PostScript mode. In HP mode, 24 standard HP fonts are resident on the printer and additional HP soft fonts can be downloaded. \$4495.00  
*Ricob Corporation, Five Dedrick Place, West Caldwell, NJ 07006; (201) 882-2000*

## ◆ PRINTER/INKS ◆

### CompuJet Ink Refills

CompuJet Ink Refill Systems are inexpensive. Handy 2-pack delivers at least two refills, saving you more than 50% over new cartridges. Refills are extra vivid, colorful, fast-drying, waterproof black, easy to use. Available for most popular ink jet printers, including: Apple StyleWriter, Canon Bubble Jet 10e, BJ 300/330, BJC 800/820, HP DeskJet, DeskJet 500/500c, DeskWriter, DeskWriter C, PaintJet, PaintJet XL, PaintWriter, PaintWriter XL, Star Micronics StarJet SJ-48, Fujitsu dex 170/80/530, Pitney Bowes 9100, Panafax U-300, Brother HJ-100i, Olivetti JP-150. You can also convert existing black cartridges to color for spot color printing. *American Ink Jet, 13 Alexander Rd, Billerica, MA 01821; (508) 667-0600*

### CompuJet Paper and Transparency

Formulated to produce brighter colors and crisper images on ink jet printers. Paper is a premium heavy weight photo-based paper with exclusive 'brite-white' coating, for use in color printers only. Colors are brilliant, blacks intense. Paper available in z-fold or cut sheets, and 11x17 cut sheets. Transparency film makes instant transparencies for overhead projection and overlays for written reports. Colors are brighter, ink dries instantly. Available in cut sheets. No need for a sleeve. Paper and transparency available for: DeskJet 500c, PaintJet (XL), PaintWriter (XL), and Canon BJC 800/820. Transparency also for use in: DeskJet, DeskJet 500, Canon BubbleJet 5, 10e, 20, 300/330, Apple StyleWriter, and Star Micronics StarJet SJ-48. *American Ink Jet, 13 Alexander Rd, Billerica, MA 01821; (508) 667-0600*

### Ink-Jet Ink

Ultra-Black ink in a monopack disposable Maxwell dispenser provides the user with a handy and very

easy-to-use alternative. Available in two-pack set. 5 ml cartridge: \$5.50.  
*Jet Technology, 16 Pembroke Road, Weston, MA 02193; (617) 239-8383*

## ◆ SCANNERS & DIGITIZERS ◆

### Alfa Scan Plus

Hand scanner, excellent 256-grayscale conversions, 400 dpi, includes TouchUp software. For all Amigas. \$299.95  
*Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### Digi-View Gold 4.0

NewTek's new dynamic palette control allows all 4096 colors to be displayed in high resolution with overscan, thus providing sharper HAM images and virtually eliminating HAM fringing. The LBJ technology allows the user to selectively filter background noise from the video signal for sharper, clearer images. Digi-View 4.0 supports ARexx. New Digi-Port feature allows captured images to be displayed directly into Digi-Paint 3, and resolutions may be changed from inside Digi-View 4.0. 24-bit RGB files may be loaded and saved for further image processing or exporting to typesetters or frame buffers. Many more enhancements have been added to Digi-View 4.0, allowing you to create images with ease. \$199.95  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603; (913) 354-1146*

### EPSON Scanner Driver

Winner of the 1992 Reader's Choice Award, the EPSON scanner family has grown to three different devices. This driver supports all features of the EPSON color scanner family including the new Transparency scanner and automatic document feeder. Interface cable included. Requires EPSON ES300C/GT6000, ES600C/GT6500 or ES800/GT8000. Art Department Professional is optional. \$200.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*  
**Please see display ad in color section.**

### ES-600C scanner

From OCR scanning to advanced desktop publishing, Epson's ES-600C scanner delivers quality 24-bit color images. This versatile scanner uses software interpolation to yield up to 600 dpi resolution in 16-million colors or 256 shades of gray. Superior engineering results in quick, single-pass scanning and precise color, brightness, or contrast corrections. Optional accessories include a transparency unit or automatic document feeder. \$1129.00  
*Epson America, Inc., 20770 Madrena Ave., Torrance, CA 90503; (800) 922-8911*

### ES-800C scanner

Epson's ES-800C scanner is ideal for professional publishing and design environments where 24-bit color and high resolution are important. Using software interpolation, the ES-800C provides resolution of up to 800 dpi. Epson's Truepass scanning technology delivers precise images in 16 million colors or 256 shades of gray. Color, brightness, contrast corrections are easy to achieve for a customized image. Optional accessories include a transparency unit or automatic document feeder. \$1499.00  
*Epson America, Inc., 20770 Madrena Ave., Torrance, CA 90503; (800) 922-8911*

### Geniscan Handy Scanner

Hand Scanner with 400 dpi resolution and 4 1/8 inch width. Adjustable switches for brightness and contrast. Software compatible with most leading software packages. \$299.95  
*Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121; (800) 782-9110*

### HSC Series 105mm B/W Hand Scanner

HSC-M-B for the Amiga supports 105mm line image sensor with 105mm scanning width. Supports line density selector switch for 100-400 DPI operation. Supports B/W tone, 6 x 6 diza half-tone, 32 graduations. \$199.95  
*Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### Migraph CS-6000

The CS-6000 is a color hand scanner for the Amiga. Features: six scanning resolutions; five scanning modes; a four-inch wide scanning window; soft-

ware to scan and save color, greyscale, and monochrome images in popular file formats; and more. \$549.00

*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003; (206) 838-4677*

### Migraph Hand Scanner and Touch-Up

Migraph Hand Scanner and Touch-Up allows you to scan any monochrome or color image and save it as a monochrome image or convert it to gray scale IFF or TIFF formats. Loads and saves many file formats and includes a wide variety of powerful editing tools. \$399.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003; (206) 838-4677*

### Migraph Merge-It and Scanning Tray

The Scanning Tray allows you to scan a full page image in two passes, quickly and easily, using the Migraph, AlfaData, or Golden Image hand scanner. Merge-It software then allows you to merge the two scans into one image. NTSC/PAL. Requires 0.5MB. \$99.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003; (206) 838-4677*

### Migraph OCR v1.1

New version has many behind the scenes enhancements. Revised interface has Workbench 2.0 look and feel, whether you are running 2.0 or 1.3. Migraph OCR allows you to turn any scanned IFF or TIFF file into an editable ASCII file that can be loaded into a word processor or DTP program. Pretrained on 20 typefaces, Migraph OCR uses Omnifont technology, is trainable, and lets you define your own libraries of trained characters. NTSC/PAL. Foreign language support. Requires 2.5MB RAM, hard disk. Systems with flatbed scanners require 4.5MB. Upgrades available. \$299.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003; (206) 838-4677*

### Migraph PS-400 Wand With Touch-Up

Scan full page images in one pass. This full page scanner has four dither settings for scanning half-tones and a line art setting. Adjustable contrast. Scans 100-400 dpi in 10-dpi increments for use with Touch-Up; scans in 200, 300, 400 dpi for OCR. Optional sheet feeder allows you to scan up to 10 pages at a time. Migraph Touch-Up allows you to scan, edit, and save your image in wide variety of formats. For any Amiga with speed of 14.3 MHz or higher. Requires 2MB and hard disk; 4MB for use with Migraph OCR (with some fast memory available). Optional sheet feeder is \$199. \$899.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003; (206) 838-4677*

### Phovos 300C Scanner

This 24-bit (16.7 million colors), 8.5- x 11-inch flatbed machine scans at an optically true 300 dpi, or 600 dpi with software enhancement. Capture images in RAM or directly to disk. Works with Migraph's OCR software and Metadigm's driver for image capture in ProPage 3.0. For all Amigas (A1000 requires adapter). Requires 3MB RAM, minimum disk: 5MB, hard or RAM. Accelerator recommended. \$1195.00  
*Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501; (310) 618-0274*

### Pyramid 400 DPI Grey Scale Hand Scanner

This Handy scanner from Omni-Eureka is hi-res 64-level grey scale. Supports both text and half-tone graphics; also works well with third party software like TouchUp from Migraph. Inexpensive, good quality, easy to use. Included software saves your images in standard IFF Amiga format for use in virtually any Amiga program. \$229.95  
*Microw R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### Scan and Save

Scan and Save allows you to quickly and easily scan and save an image for screen display or printing via a desktop publishing program. Works directly with the Migraph, AlfaData, or Golden Image hand scanners. NTSC/PAL. Requires 1MB and compatible hand scanner. \$20.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003; (206) 838-4677*

### TOP-SCAN

Epson scanner driver, 16 Mio colors, all formats. NTSC/PAL. English/German manual. Workbench 2.0 compatible. \$298.00

# Miscellaneous Hardware

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## ♦ SCIENTIFIC DIGITIZERS AND CONTROLLERS

### AQ4882A Kit

The AQ4882A Kit is a full function IEEE-488 (HPIB & GPIB) adapter for the A500, A1000, and A2000 computers. It connects to the Amiga's parallel port and performs all talker, listener, and controller functions. This allows the Amiga to control up to 14 devices, or act as a device in a larger system. Includes drivers for AmigaBASIC, C, and Assembly languages. \$295.00  
*A.D.I., 3514 Olive Street, Huntington Park, CA 90255; (213) 581-1188*

### Ameege GPIB

Ameege GPIB is a General Purpose Interface Bus card for the Amiga series. This half-length expansion card performs all of the talker, listener, and controller functions of the GPIB (IEEE-488) protocol. One Amiga can simultaneously control up to 14 of the thousands of GPIB devices on the market. Included is the Command Function Library (ACDA GPIB CFL) which is Manx and Lattice compatible, test application programs and 'C' driver. Now you can control GPIB devices in an intuitive and friendly way using screen buttons, menus, and the mouse. See *Amazing Computing* (Vol 4.11, 1989) for review. \$495.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### Data Acquisition Unit

Turns your Amiga into a sophisticated digital storage scope. Measure and display inputs from millivolts to 50 volts with 1 MHz bandwidth. Display events from microseconds to hours. \$179.95  
*Rio Computers, 3310 Beruyck St., Las Vegas, NV 89121; (800) 782-9110*

### DataStation-A/D + D/A + TIMER v2.0

This board represents versatile member of DataStation family. Has host of data acquisition-process control hardware features and software functions including: 16 channel, 12-bit A/D converter; 2-channel, 8-bit D/A converter; 3-channel, 16-bit programmable counter/timer; DataStation C software library, many source code demos, PGL-Programmable input gain option x1, x10, x100, x500. Full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$1329, PGL option \$100.  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-A/D+DIO+TIMER v2.0

This board represents versatile member of DataStation family. Has host of data acquisition-process control hardware features and software functions including: 16 channel, 12-bit A/D converter; 32-channel digital I/O board; 3-channel, 16-bit programmable counter/timer; DataStation C software library, many source code demos, PGL-Programmable input gain option x1, x10, x100, x500. Full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$1387, PGL option \$100.  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-A/D+TIMER v2.0

This timer card is system integrator's answer for Amiga-based scientific and engineering data acquisition-process control tasks. Features: 16 channel, 12-bit A/D converter; 3-channel, 16-bit programmable counter/timer; DataStation C software library, many source code demos, PGL-Programmable input gain option x1, x10, x100, x500. Full autoconfiguration, upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$1095, PGL option \$100.  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-D/A v2.0

This card is system integrator's answer for Amiga-based scientific and engineering process control tasks that require computer to output analog signals to real world. Features: 2-channel, 8-bit D/

A converter; DataStation C software library, many source code demos, full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$225.00

*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-D/A+DIO v2.0

This board represents versatile member of DataStation family. Has host of data acquisition-process control hardware features and software functions including: 2-channel, 8-bit D/A converter; 16 TTL compatible digital inputs/outputs, DataStation C software library, many source code demos, PGL-Programmable input gain option x1, x10, x100, x500. Full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$645.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-D/A+DIO+TIMER v2.0

This board is system integrator's answer for Amiga-based scientific and engineering data acquisition and process control tasks. Features: 3-channel, 16-bit programmable counter/timer; 2-channel, 8-bit D/A converter; 16 TTL compatible digital inputs/outputs, DataStation C software library, many source code demos, Full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$654.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-D/A+TIMER v2.0

This board represents versatile member of DataStation family. Has host of data acquisition-process control hardware features and software functions including: 2-channel, 8-bit D/A converter; 3-channel, 16-bit programmable counter/timer; DataStation C software library, many source code demos, Full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$355.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-DIO Digital Input/Output v2.0

This card is system integrator's answer for Amiga-based scientific and engineering process control tasks that require computer to sense and control TTL compatible signals. Features: 16 TTL compatible digital inputs/outputs, DataStation C software library, many source code demos, full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$392.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-DIO+TIMER v2.0

This board represents versatile member of DataStation family. Has host of data acquisition-process control hardware features and software functions including: 3-channel, 16-bit programmable counter/timer; 16 TTL compatible digital inputs/outputs, DataStation C software library, many source code demos, Full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$429.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-FC v2.0

This board represents most versatile member of DataStation family. Full configuration of data acquisition-process control hardware features and software functions including: 16 channel, 12-bit A/D converter; 2-channel, 8-bit D/A converter; 3-channel, 16-bit programmable counter/timer; 16 TTL compatible digital inputs/outputs, DataStation C software library, many source code demos, PGL-Programmable input gain option x1, x10, x100, x500. Full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$1550, PGL option \$100.  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-TIMER v2.0

This card is system integrator's answer for Amiga-based scientific and engineering process control

tasks that require accurate timing and generation of digital waveforms. Features 3-channel, 16-bit programmable counter/timer. Channels are cascaded and outputs are available on DB25 pin shell connector on board. Also features DataStation C software library, many source code demos, full autoconfiguration, DataStation upgradable. NTSC/PAL. Requires A2000/3000, one Amiga expansion slot, 680x0. \$129.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DataStation-Terminal Strip & Cabling

Lets you access the world quickly and easily. Connects DataStation family of data acquisition and process control products to real world signals using a labeled screw terminal assembly and cable. Requires one ACDA Data Station card, 680x0, A2000/3000. \$199.95  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### DigiScope Plus

A digital storage oscilloscope emulator that works with DataStation and parallel-port digitizers. It has 16 independently controlled waveform buffers, a digital signal processing (DSP) package, a Fast Fourier Transform (FFT) package, and a Digital Filter Design package (option). \$189.95, \$229.95 (with Filters option)  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733; (516) 689-7722*

### MW-201

General purpose INPUT/OUTPUT card with RS-232 interface. Digitizes 16 analog inputs, provides 14 high-current digital outputs, and one analog output. Uses 6511Q microprocessor and built-in intelligent user interface. AmigaDOS 2.0 compatible. \$365.00  
*Electronic Innovations Corp. (EIC), 3333 S. Wadsworth Blvd. #C101, Lakewood, CO 80227; (303) 987-2441*

### ezAD

Low-cost system for monitoring events with your Amiga. Measure, graphically display, and record temperature, pressure, light intensity, etc. No separate power supply required. Connects to second gameport. Does not interfere with parallel or serial port operation. Multitasking software runs from Workbench. Complete hardware and software systems starting at \$79.90. AREXX interface provided. Various sensors available. AmigaDOS 2.0 compatible.  
*Boone Technologies, Inc., P.O. Box 15052, Richmond, VA 23227; (804) 264-0262*

## ♦ SOUND AND MUSIC ♦ HARDWARE/DIGITIZERS

### AMAS

From Microdeal. AMAS is a full-featured 8-bit stereo audio digitizer complete with a full implementation MIDI interface. The digitizer accepts mono or stereo inputs via its line input sockets and is equipped with an extra microphone input socket for direct vocal signal input. \$75.00  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### AMAS 2

A sound sampler and MIDI interface. This wedge-shaped cartridge plugs into the parallel and serial ports and allows you to analyze sounds. Record sounds from tape players and CD players; change the way they sound with the editor. Then use AMAS 2's MIDI playback controls to replay the sample from a MIDI keyboard. Cut and delete selected sample areas, mix samples with full or half volume, fade in and out with selectable degree, filter your samples, and more. Other features include real-time record/play ghost markers and full editing and control facility for left/right channels. From Microdeal. \$199.95, \$99.95. \$129.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### Aegis SoundMagic

(Formerly Aegis SoundMaster.) This 8-bit Sound Digitizer is capable of sampling up to 56K samples per second. Features built-in microphone, stereo and mono input jacks, plus volume control and overload indicator. Includes Aegis' best-selling AudioMaster IV sampling software for a complete

## Table of Contents

How To Use  
This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home  
Productivity

Programming

Utilities

Entertainment

Miscellaneous  
Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous  
Hardware

CDTV

Accessories  
& Services

Books & Tapes

Freely Redistributable  
Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue  
Index

Vendor/Product  
Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index  
by Product

Product Index  
by Vendor

Category Index

Last Minute Additions

# Miscellaneous Hardware

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

solution. NTSC/PAL. German language support. Requires Workbench 1.3 or higher, Kickstart 1.3 or higher, one disk drive, 512K RAM. \$199.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
**Please see display ad page 171.**

## DD524 Digital Interface Card

Adds an AES/EBU or an S/PDIF digital input/output interface to your Amiga. Allows you to connect digitally to a Digital Audio Tape (DAT) player or CD player. Great for making CD masters. Transfer directly to DAT for sending to a CD mastering house. DD524 also allows you to back up your hard drive to a DAT recorder. A DAT tape can hold over a gigabyte of data, and has transfer rate of about 10MB/min. DD524 supports 16 and 24 bit samples; 44.1K and 48K rates. AmigaDOS 2.0 compatible.  
*SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008; (408) 374-4962*

## DIGI-SOUND Stereo Audio Digitizer

DIGI-SOUND stereo audio digitizer features left and right line inputs and gain controls and a stereo microphone jack. DIGI-SOUND is perfect for use with Audiomaster and most other commercial and public domain sampling software on A500, A2000, A3000, and CDTV. \$59.95  
*Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281; (404) 389-3875*

## Perfect Sound 3 Adaptor

Adaptor that allows Perfect Sound 3 to be used on an Amiga 1000. \$12.95  
*SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008; (408) 374-4962*

## Perfect Sound 3.0

Use your stereo or a microphone to record your sound in mono or stereo, then use the sound editor to modify the sound. Delete, insert, and play them backwards, faster or slower, graph or flip record sound. Comes with a library of pre-recorded sounds and C source code. Supports IFF file format and instruments. New version 3.0 includes new software and hardware. English, German, and French versions available. \$99.95  
*SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008; (408) 374-4962*

## Pro Stereo Sound Sampler

High-quality stereo sound at a realistic price. Real-time level meters. Adjustable trigger level. Hi-res sample editing. Variable sample rate and playback. \$99.95  
*Rio Computers, 3310 Beruwyck St., Las Vegas, NV 89121; (800) 782-9110*

## Sound Sampler

Parallel port digitizer with mic/line/switch, gain, and variable filter control. Input via RCA jack or 35mm mike jack. Includes PD software. \$40.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## SoundScape Sound Sampler

Digitize microphone/audio input to produce sampled sounds in Mimetics or IFF format. \$99.95  
*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015; (408) 741-0117*

## Studio 16 w/AD1012

A 12-bit sampler card includes Studio 16 software, audio in/out, microprocessor, adjustable low pass filters, SMPTE time code reader. Sampling rates of up to 44.1 kHz, signal-to-noise ratio of a professional VTR. Perfect for editing video sound tracks. Software allows recording direct to hard disk synchronized with time code, and special effects. \$595.00  
*SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008; (408) 374-4962*

## Studio 16 w/AD516

A 16-bit digital audio card that includes Studio 16 version 2 software, an ADSP 2105 sound processor, stereo audio in/out, LTC SMPTE in, 64 times oversampling, and 8 track simultaneous playback. At 16-bit resolution, the AD516 offers CD quality sound and puts a modern digital recording studio in your Amiga. Allows direct recording to the hard disk, synchronizing with SMPTE time code, sample editing, and special effects. AmigaDOS 2.0 compat-

ible. \$1495.00  
*SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008; (408) 374-4962*

## ADAPS 2111-16 DSP Board

A Digital Audio Processing System for the Amiga. Features include: 16MHz ADSP 2111 DSP chip, 16KB dual-port data memory, 48KB 24-bit program memory, stereo sampling at 16-bit resolution, 50KHz sampling rate, 8 times oversampling 16-bit stereo analog outputs, and completely integrated DSP software development environment, including an assembler, C preprocessor, and linker for ADSP-2111. For A2000/3000 or any Amiga system with Zorro II compatible expansion slot. AmigaDOS 1.3/2.0 compatible. Available Spring 1993. \$639.00  
*Overland Engineering, 9900 Spain Rd, NE #B-2007, Albuquerque, NM 87111; (505) 299-9312*

## ◆ SOUND AND MUSIC ◆ HARDWARE/GENERAL

### Audio Engineer Plus

A RamScan Software stereo digital sound sampling/editing system for standard Amigas. Has powerful facilities to record, edit, and enhance sound in Amiga's memory, yet presents these facilities in an intuitive way that allows anyone to master them. Edit sound loaded as a file from disk, or record it directly into memory using included GSOF Audio Imager sound digitizer. Also includes CD Player Simulator program to load and play your created sound files just like a real compact disc. Many innovative features. Plays up to 56,000 sps on standard Amiga, faster processor required to record more than 38,000 sps in stereo. Additional RAM and hard disk required to record and store large waveforms.  
*GSOF Pty. Ltd., PO Box 59, Elizabeth 5114, South Australia; (011) 61-8-254-2261*

### Clarity 16

From Microdeal. Low cost stereo 16-bit sampler. Hardware cartridge contains two 16-bit A/D D/A converters to allow stereo sound digitizing. System can record sound from any suitable equipment such as CD player, cassette recorder, or any 'aux' or 'line' level signal source via provided stereo phono sockets. Stereo phono outputs connect to amplifier or mixer. Hardware plugs into serial or printer ports. Contains MIDI interface which is compatible with major commercial software. Editor program features fully multi-tasking window-styled editor that allows individual samples to be loaded into computer and edited separately. Program can load samples of 8- or 16-bit format and freely convert between them. Sample rates of up to 44.1KHz can be used, and program can resynthesize samples to practically any other speed. Samples can be replayed through stereo 16-bit cartridge output, or played through standard Amiga output using advanced algorithms to obtain sample resolution of 14 bits. Has standard and advanced editing features, real time functions, MIDI functions, and sample sequencer. Available December 1992. Requires 1MB RAM. \$149.95.  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### Megamix Master

A low cost, high specification digital effects cartridge that plugs into your printer port. Allows you to sample or record stereo sound from almost any musical source. Easy to use, no need to disconnect sampler to plug in your printer,—use the thru port. Comes with stereo jack fitted to cartridge, 30 animated icons, and well-documented manual. NTSC/PAL. Requires disk drive. 0.5MB OK, 1MB plus recommended. \$69.95  
*Rombo Ltd., 2 Baird Rd, Kirkton Campus, Livingston EH54 7AZ, Scotland; 011-44-506-466-601*

### Pyramid Sound Enhancer

Restores Amiga high-end sound output. A must-have for recording Amiga-generated sound. \$55.95  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### Super Sound

Provides selective high frequency boost at the twist of a knob. Allows output characteristics of Amiga's audio to be tailored specifically to the sound being replayed, and compensates for roll-off effect built

into Amiga's sound output circuitry. Enhances any sound output, even very good digital samples. Plugs into normal sound output on A500/2000/2500/3000. 99 Australian dollars.  
*GSOF Pty. Ltd., PO Box 59, Elizabeth 5114, South Australia; (011) 61-8-254-2261*

### SyncPro

Lets users synchronize MIDI with multimedia, video, and audio hardware. Full-featured professional synchronization box supports all major sync formats including SMPTE, MIDI Time Code, and Song Pointer. Designed to work with Bars&Pipes Professional, SuperJAM, and any other Amiga application that makes use of MIDI Time Code. All products available for foreign distribution. \$199.00  
*Blue Ribbon SoundWorks Ltd., The, Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## ◆ SOUND AND MUSIC ◆ HARDWARE/MIDI INTERFACES

### AudioLink™

AudioLink™ is a professional 16-bit linear stereo audio processor that boasts 16 voices (8 in stereo), sound sampling rates up to 48 kHz in stereo (96kHz 2x over sampling in mono), up to 16 megs on-board. Plus, 16 multi-outs (D/A convertor on each out), a S/PDIF interface, MIDI, and open slot for Direct-to-Disk Transfer Card. AudioLink™ comes bundled with sound editing software with features such as Realtime Playback, Crossfading, and Cut, Copy, and Paste between voices. Invert, Reverse, Looping and Variable Left and Right Gain. Saves in multiple formats such as AIFF and SAMP. For all models of the Amiga. Availability TBA. \$1295.00  
*Beta Unlimited, 87 Summit Street, Brooklyn, NY 11231; (718) 852-8646*

### DM Music

Audio digitizer/MIDI interface in one package. Unit includes pass through for both the serial and parallel ports. Digitizes in stereo at 56K samples per second in stereo. Supported by most major software packages. \$199.00  
*Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612; (813) 977-6511*

### Deluxe MIDI INTERFACE for the AMIGA 500/1000/2000/3000

Optically isolated—Provides IN, THRU, and two switchable THRU/OUTS for maximum flexibility. Comes with 6-foot serial cable and RS-232 pass-through. Impact-resistant case and cable matches Amiga's color closely. New low price! \$69.00  
*Pro-Tronic Systems Ltd., 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5; (604) 290-1631*

### MIDI 1000

A1000 MIDI interface. MIDI IN and OUT. Connects to serial port. \$49.95  
*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015; (408) 741-0117*

### MIDI 500/2000

A500/2000 MIDI interface. MIDI IN and OUT. Connects to serial port. \$49.95  
*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015; (408) 741-0117*

### MIDI Connector

Enables the Amiga 500 to send and receive MIDI data from MIDI-equipped instruments. There is one MIDI In port, two MIDI Out ports, and one MIDI Out/Thru port. Also comes with a switch for serial pass thru. Australian users see Australian address in Vendor Information. \$69.95  
*Disc Company, The, 11440 San Vicente Blvd, Ste 300, Los Angeles, CA 90049; (310) 207-1600*

### MIDI Gold 500

Musical instrument digital interface (MIDI) for the A500. Features: MIDI IN; 2 MIDI OUT's; MIDI OUT/THRU (switch-selectable); Serial pass-through allows other serial devices to be connected at the same time (switch-selectable MIDI or serial operation). Compact size (4.3 x 2.3) allows the interface to be connected directly to serial port (no cable required). All metal construction. Two-year warranty. \$79.95  
*Golden Hawk Technology, 427-3 Amherst Street, Ste. 389, Nashua, NH 03063; (603) 424-0269*

# Miscellaneous Hardware

## MIDI Gold Insider

Musical instrument digital interface (MIDI) for the A2000. Mounts internally without using a card slot. Features: MIDI IN; 2 MIDI OUT's; MIDI THRU; Serial pass-through allows other serial devices to be connected at the same time (switch-selectable MIDI or serial operation). All metal construction. Two-year warranty. \$89.95  
*Golden Hawk Technology, 427-3 Amberst Street, Ste. 389, Nashua, NH 03063; (603) 424-0269*

## MIDI Interface

Plug into your serial port and use your MIDI keyboard with our Quartet software or your own. Has MIDI in-out cables. \$59.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

## MIDI Retrofit Kits (Custom)

A line of MIDI interfaces for the other end allowing you to connect your computer to anything from door chimes to pedalboards to accordions to pipe organs. Call or write for more details.  
*Technical Magic, 26090-62 Robertson Road, Nepean, Ontario, Canada K2H 9R0; (613) 596-9114*

## MIDI for the Amiga 2000

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU for the A2000. Plugs into RS 232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
*Skyles Electric Works, 10301 Stonydale Dr., Cupertino, CA 95014; (408) 737-1632*

## MIDI for the Amiga 3000

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU plugs into RS-232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
*Skyles Electric Works, 10301 Stonydale Dr., Cupertino, CA 95014; (408) 737-1632*

## MIDI for the Amiga 500

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU for the A500. Plugs into RS 232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
*Skyles Electric Works, 10301 Stonydale Dr., Cupertino, CA 95014; (408) 737-1632*

## MIDI for the Amiga1000

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU plugs into RS-232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
*Skyles Electric Works, 10301 Stonydale Dr., Cupertino, CA 95014; (408) 737-1632*

## Midimaster

MIDI Interface for all Amigas. Compatible with all leading software. Has MIDI In, MIDI Thru, and 3 MIDI Out ports. Fully opto-isolated. \$59.95  
*Rio Computers, 3310 Beruwly St., Las Vegas, NV 89121; (800) 782-9110*

## Model A Interface

MIDI interface for the A500 and A2000. It has one IN, two OUTS, and serial port THRU. \$75.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

## NES, Inc. MI-001 MIDI INTERFACE UNIT

Standard MIDI interface with four MIDI OUT, one MIDI IN, and one MIDI THRU ports. Has its own power supply. \$79.95  
*N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221; (503) 246-9311*

## Pro MIDI 1000

Music instrument digital interface. Plugs into the serial port, communicates with MIDI-compatible musical instruments and equipment. Includes RS-232 bypass port. \$64.95  
*Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612; (813) 977-6511*

## Pro MIDI 500/2000

Musical instrument digital interface. Plugs into the serial port, communicates with MIDI-compatible musical instruments and equipment. Includes RS-232 bypass port. \$64.95  
*Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612; (813) 977-6511*

## Pyramid MIDI Interface

This Omni-Eureka MIDI defines value in this portion of Amiga market. Is only MIDI in its class to offer pushbutton-controlled serial port pass-through and multiple MIDI connections. Comes

standard with one MIDI in, two MIDI out, two MIDI through connections, and integral serial cable. Housed in beautiful plastic enclosure matching colors of Amiga. For all Amigas except A1000. \$59.95  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

## Triple Play Plus

A sophisticated new MIDI interface designed to accommodate Bars&Pipes Professional. Among its features are three separately-addressable MIDI outs, allowing for 48 simultaneous MIDI channels. In addition, Triple Play Plus includes one MIDI in and one MIDI thru. Users of Bars&Pipes Professional will receive special MIDI Out Tools with their purchase of Triple Play Plus, so that they can utilize the interface from within Bars&Pipes Pro. All products available for foreign distribution. \$179.00  
*Blue Ribbon SoundWorks Ltd., The Venture Center, 1605 Chantilly Dr. Ste. 200, Atlanta, GA 30324; (404) 315-0212*

## ◆ SOUND AND MUSIC HARDWARE/SMPTE ◆

### The Phantom

The Phantom consists of a hardware module that plugs into the computer's serial port, and software to 'connect' the hardware to other supported programs like KCS and Bars&Pipes. The hardware provides sync input and output jacks, as well as an auxiliary MIDI output which helps alleviate MIDI data logjams. The sync jacks can read and write all standard SMPTE formats including 24, 25, 30, and 30 non-drop frame. \$350.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454*

## ◆ SWITCHERS ◆

### Air ROM matic

Internal ROM switcher board. Keyboard, mouse, or joystick switchable. \$49.95  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### Air Traffic Controller

Mouse/joystick/dongle switch. Stops port wear and tear. \$39.95  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

### KickBack

Multi-featured ROM switcher lets you run Kickstart 2, but still have older Kickstart version available without physically switching ROM chips. Keep your 1.3 enhanced game compatibility without sacrificing the 2.x advanced features. Simple, no solder installation for most Amigas. Ribbon cable mounting. Switch chips by holding Ctrl and Amiga keys down for 5 seconds. Optional switch for choosing boot default ROM. \$49.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437; (800) 373-7700*

### Kickboard Plus

High quality, three-way ROM sharer board enables user to switch from any version of Kickstart ROM via external three-way switch, independent of keyboard and mouse. All three ROMs and Gary chip are protected from electronic damage. Unleash the full power of your Amiga 500, 600HD, and 2000 while keeping your software full AmigaDOS 1.3/2.0 compatible. Complete with pictorial instructions disk with 1.3—2.0 patch for HD use. U.S.\$49.95 plus \$9 S&H. \$69.95 Australian.  
*Unitex Electronics Pty. Ltd., P.O. Box 137 Minto, Sydney, NSW 2566, Australia; 011-61-2820-3555*

### Pyramid ROM Switch

This Omni-Eureka switch lets user keep two different sets of Kickstart ROMs installed simultaneously in Amiga. ROM selector is controlled by mouse or keyboard during rebooting. ROM switch will not conflict with other internally mounted components; it is mounted on ribbon cable that keeps ROM away from the other 68000 chip. For A500/2000. \$49.95  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### SWB-M-BT Boot Selector

Electronic switch for booting from DF1:-DF3:. For A500/500 Plus/2000/2500. \$39.95  
*Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### SWB-M-KS KickStart Switch

Electronic switch for two Kickstart ROMs (1.2/1.3/3.0). For A500/500 Plus/2000/2500. \$39.95  
*Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

### SWB-MJ Auto Mouse/Joystick Switch

Select either mouse or joystick by clicking or pressing fire button. For all Amigas. \$34.95  
*Alfa Data, 109 South Duncan Road, Champaign, IL 61821; (217) 356-1962*

## ◆ SYSTEM EXPANSION ◆ & EXPANSION CHASSIS

### 1-Drive-Bay

Metal case with power supply for one 3.5- or 5.25-inch drive. Flat or upright footprint. SCSI cable, 25-pin D-Sub to 50-pin Centronics. For Amiga, Mac, or ALF-PC-SCSI controllers. English/French/German manual. Workbench 2.0 compatible. \$120.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### 1000-Adaptor

For those who have an A1000 and wish to expand it. Connects to A1000 parallel/serial ports, making them A500/2000/3000 compatible. Allows any Amiga hardware such as digitizers, modems, etc., to be used with A1000. \$58 (parallel), \$86 (serial).  
*HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319; (011) 972-331-5967*

### 2-Drive-Bay

Metal case with power supply for two 3.5- or 5.25-inch drives. Flat design, fits under monitor. SCSI cable, 25-pin D-Sub to 50-pin Centronics. For Amiga, Mac, or ALF-PC-SCSI controllers. English/French/German manual. Workbench 2.0 compatible. \$156.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### 4-Drive-Bay

The 4-Drive-Bay is an up-to-four device tower, designed for use with any full or half height 3.5- or 5.25-inch SCSI device in any combination. One or two 50-W power supplies and dust free ventilation system. Internal 50-pin SCSI cable set and 25-pin D-Sub to the Amiga, Mac, or PC. English/French/German manual. Workbench 2.0 compatible. Prices: 50-W, \$325; 100-W, \$385.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### A500-DESKTOP-CASE

A combination of a selected PC/AT full size desktop flip case with 3.5-inch Floppy Rail for A500 internal floppy disk and detachable Keyboard-Shell with interface and spiral cable. 200-W power supply. Can be shipped in any color. English/French/German manual. Workbench 2.0 compatible. \$230.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### A500-TOWER-CASE

A combination of a selected PC/AT full size tower case with 3.5-inch Floppy Rail for A500 internal floppy disk and detachable Keyboard-Shell with interface and spiral cable. 220-W power supply. Five drive bays. Black or beige. English/French/German manual. Workbench 2.0 compatible. \$320.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

### Black Workstation

Now handmade out of sturdy metal. Designed to have an Amiga 500 with Ethernet card built into it. Comes with long-lasting power supply. Has room for one floppy drive and one 3.5-inch hard drive. Kit includes detachable KB-Shell with interface and spiral cable. Other colors available. English/French/German manual. Workbench 2.0 compatible. \$380.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Miscellaneous Hardware

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## EB920

The EB920 is a high speed Thin wire (cheapernet) only ethernet board from the company that helped design SANA-II (driver included). Directly supported by ENLAN-DOS Oxxi, Novel, all SANA-II software and other software products. Requires a Zorro II slot. \$349.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*

**Please see display ad in color section.**

## EXP-1000

1MB, internal RAM board for the A500, w/1MB. \$199.00

*Progressive Peripherals, Inc., 938 Quail St., Lakewood, CO 80215-5513; (303) 238-5555*

## HiQ A500 Tower

Gives your A500 the expandability of an A2000, room for 10 half-height drives, and a 250-watt power supply. A500 can now use any A2000 hard disk controller card, RAM expansion card, accelerator card, and Bridgeboard. Video/graphics slot allows A500 to use FlickerFixer, ImpactVision, or even Video Toaster. In kit form. Includes detachable keyboard case, four A2000 100-pin card slots, one A2000 accelerator (86-pin) slot, one video card slot, and three PC/AT-compatible slots. \$699.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

## Keyboard-Shell

Keyboard-Shell with interface and spiral cable is designed to keep the Amiga 500 keyboard detachable. No soldering or special skills required. Looks exactly like A2000 keyboard cover, but has two LED openings. For A500 only!! Amiga color or any other on request. English/French/German manual. Workbench 2.0 compatible. \$120.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Kickstart Swap Board

Three-position ROM swap board. Ribbon mounted to clear accelerators, etc. \$45.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## Kickstart in ROM

Modification which includes four EPROMS—we can use any Kickstart you provide—allows booting directly from ROM. Also adds 256K to available memory. Kit form. For A1000. \$95.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## M-Slot™

M-Slot is an upgrade allowing A500 owners to do the same things A2000 owners do and more. The board has exactly the same mounting holes and size as PC Baby AT boards; fits neatly into any PC/AT Desktop or Tower case. Has five true Zorro II slots, one video slot, one CPU slot, PC/AT slots, Denise, Paula, and Gary extenders. Optional 200-W power supply, designed to power the A500 simultaneously. Optional EPROM for running PC/AT keyboards. Comes with photos, showing how we build this board in a PC/AT Desktop case. Because this OEM project is not designed for beginners, we offer a service in U.S. and Canada to build complete systems using your A500. For A500/500 Plus. English/French/German manual. Workbench 2.0 compatible. \$395.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## M-Slot™ Midi Tower

M-Slot Midi Tower is complete upgrade allowing A500 owners to do the same things A2000 owners do and more. Has M-Slot board already built in. This board has five true Zorro II slots, one video slot, one CPY slot, four PC/AT slots, and Denise, Paula, and Gary extenders. The 200 W power supply is designed for international use (110/220V) and powers the easy-to-slide-in A500 motherboard as well. Instructions include easily understandable photos. NTSC/PAL. Mounting instruction and manual in English/French/German/Spanish. Workbench 2.0 compatible. \$680.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## MFC 2™ MultiFaceCard 2000/3000/4000

The MFC for the A2000/3000 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—57600, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. Has been tested with A4000. NTSC/PAL. English/French/German manual. Workbench 2.0, AmigaDOS 2.0 compatible. \$295.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## MFC 2™ MultiFaceCard 500

The MFC for the A500 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—57600, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. MFC 500 is a special bundle of MFC 2000 with Naked-F built into a metal cover which plugs into the A500 expansion port. NTSC/PAL. English/French/German manual. Workbench 2.0, AmigaDOS 2.0 compatible. \$345.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## MFC™ MultiFaceCard 1000

The MFC for the A1000 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—57600, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. MFC 1000 is special bundle of MFC 2000 with Naked-F built into a metal cover which plugs into A1000 expansion port. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$345.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Meta4/500 Memory Expansion Chassis

Meta4/500 is available as a RAM-only expansion chassis for A500 users. This configuration places a Meta4 board in a Trumpcard 500 chassis allowing the user to add memory to the system without a hard disk drive and Trumpcard controller installed. A second slot is included for later installation of a Trumpcard disk controller and a hard disk drive if desired. Configurations are 512K, 1MB, 2MB, and 4MB. \$189.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641; (714) 890-7040*

## Naked-F

Naked-F (F for flat connection) is a very special small circuit board which allows you to run nearly all of the fast SCSI and RAM boards built for the A2000 with the A500 and A1000. Ends the timing problem the A2000 boards have running with the A500/1000. SCSI can now be used at full speed. Has one true A2000 Rev. 6.2 Zorro II slot. NOTE: This is a bare bones board. For A500/500 Plus, A1000. English/French/German manual. Workbench 2.0 compatible. \$39.50  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Naked-Up

Naked-Up is the pass-through version with one A2000 Rev. 6.2 Zorro II slot, standing right up. This board allows you to run nearly all of the fast SCSI and RAM boards built for the A2000 with the A500 and A1000. Ends the timing problem the A2000 SCSI boards have running with the A500/1000. SCSI can now be used at full speed. Has been designed to build the A500 motherboard into a full size PC/AT Desktop or Tower case. We ran two Naked-Ups for four months using Supra's 8MB

RAM board, ALF-AF-SCSI and Quantum 210MB with an A1000. NOTE: This is a bare bones board. For A500/500 Plus, A1000. English/French/German manual. Workbench 2.0 compatible. \$49.50  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## PCA-Power Cable-Amiga 500

Ends the low power problem for the Amiga 500. Allows you to use any PC/AT 150-W, 250-W, or higher power supply. One side has an interface for connection to P8 and P9 connectors of PC/AT power supply; other side connects to the A500. Cannot be falsely connected. No soldering required. Please ask for trade-in offers for your old defective A500 power supply. English/French/German instructions available. Workbench 2.0 compatible. \$29.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## PS-220 Power Supply

The long-lasting 220-W replacement for the Amiga 500 owner. Comes with A500 connector and five drive connectors. Please ask for trade-in of your defective A500 power supply. English/French/German manual. Workbench 2.0 compatible. \$95.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## PS-45 Power Supply

The PS-45 Power Supply is the long-lasting 45-W power source for up to two hard drives. English/French/German manual. Workbench 2.0 compatible. \$45.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## PS-50 Power Supply

The long-lasting 50-W replacement for the Amiga 500 owner. Comes with A500 connector and one drive connector. Please ask for trade-in of your defective A500 power supply. We tested this type for 4 months with 4MB RAM and one Quantum 170MB SCSI drive. English/French/German manual. Workbench 2.0 compatible. \$60.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0; (514) 944-9696*

## Phoenix Board

Replacement motherboard for A1000, with 2MB chip RAM, A2000 Expansion Slot, A2000 Video Slot, AutoBooting SCSI controller, multiple Kickstarts (four), full ECS support, floppy drive swap switch, 68881/2 socket. Low profile 3.5-inch SCSI drives can be mounted internally. PAL or NTSC versions available. \$845.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## Rejuvenator

A replacement daughter board for the A1000 which upgrades it to take advantage of either the 1MB or 2MB ECS Agnus as well as the ECS Denise, 2.0 ROM, and an A2000 compatible video port. Also adds battery backed-up clock. Requires 1MB or 2MB of memory, depending upon version of Agnus. NTSC/PAL compatible. 1MB, \$419.95; 2MB, \$439.95.  
*Expert Services, 5912 Centennial Circle, Florence, KY 41042; (606) 371-9690*

## The Bomac Tower

A rugged, all-metal, floor-mounted tower enclosure designed to house A2000 computers. No permanent electrical or mechanical modifications to the original unit are required for installation. External front access to three 5.25-inch and five 3.5-inch drives. Features include front-mounted AC line and auxiliary power supply switches, power-on lamp, 3 user configurable indicator LEDs, full side/top access, and rear-mounted mouse/keyboard sockets. Accepts second power supply. \$319.95  
*BOMAC, 612 Webster St., Bay City, MI 48708; (517) 892-8978*

# Miscellaneous Hardware

## ToolBox 500

This three-slot expansion card cage for the A500 allows you to use most A2000 cards on your Amiga. It is designed to accept and power an 8MB memory board, SCSI hard card and the Bridgecard. All cards can then be used in an A2000. The ToolBox features room and brackets for a 5.25-inch drive, mounting for an optional fan, 40-watt cool running switching power supply, bus pass through, front panel hard drive activity and power light, and on/off switch. \$279.95  
*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539; (510) 656-2890*

## Xpander-Built-Chassis

Four models now available to expand A1000 or A500 through expansion bus. Choose from small expansion 100-pin slot to ultimate slots. Use A2000 cards with room to mount drives and power supply options. Some models have pass thru to chain other devices such as GVP and Commodore hard drives and memory. Simple to install. \$129-\$279.  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## ♦ MISCELLANEOUS ♦

### ARM 1000

The Amiga ROM module is a pass-through device for the A1000. Up to two user-supplied KickStart ROMs (e.g., v1.3 and v2.04) can be installed, allowing the machine to be booted under either operating system. Additional circuitry prevents switching during normal operations, thereby eliminating the potential for disk write errors. Allows for a small hardware modification which makes an extra 256K of RAM available for use. One-year warranty. \$99.00  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

### Action Replay

A utility cartridge for the Amiga 500. Action Replay plugs into your expansion port and allows you to simply freeze just about any program. The program in memory can then simply be saved to disk. Use the special infinite life/fuel/ammo generator for most any game. A powerful machine code freezer monitor with many other features. \$99.00  
*Coast to Coast Technologies, 580 Cape Cod Lane, Ste. 3b, Altamonte Springs, FL 32714; (407) 788-8377*

### Aladdin Lighting Control System

Simple to use lighting control featuring graphic interface. Unique package transforms your Amiga 2000/3000 into a powerful lighting design/control desk suitable for use in theater, television/video studios, entertainment, environmental, and architectural applications. 48 channel/48 dimmer version plus 96 channel/192 dimmer version. Requires Workbench 2.0. Aladdin 48: \$1800, Aladdin 96: \$2895.  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

### Aladdin Model Makers Dimmer Pack

48-channel, 12-volt dimmer rack suitable for low power halogen lanterns. Ideal for scale model work, i.e., theater, etc. Requires Aladdin Lighting Control software/hardware. \$575.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

### Aladdin Multimedia Dimmer Rack

12-channel digital dimmer rack, DMX 512 standard plus MIDI input: 200 watts per channel. Requires Aladdin Lighting Control software/hardware. \$950.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

### Aladdin Production Dimmer Rack

12-channel digital dimmer rack, accepts international standard DMX 512 data, 2400 watts output per channel. Also accepts MIDI data. Requires Aladdin Lighting Control software/hardware. \$1450.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035; (011) 618-293-8752*

## BIGFOOT Power Supply

Updated version is now 200-watt power supply for the A500, A600, and the new Amiga 1200. The Bigfoot is in a white matching enclosure and provides a full 200 watts of clean, fan-cooled power. Provides five additional hard/floppy connections. Adapters available for Supra, 6VP hard drives, etc. Accepts AC input voltages from 90-132 or 180-269 volts at frequencies from 47 to 63 Hz. 1-year warranty. \$129.00  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

## Bigfoot 2000

The Bigfoot 2000 carries on the tradition set by the Bigfoot 500 of bringing extra power to the Amiga line. The Bigfoot 2000 is an internal replacement power supply for the Amiga 2000. The Bigfoot 2000 provides 300 Watts of fan-cooled power for the Amiga 2000 user. The Bigfoot 2000 is ideal for the Toaster user who has run out of power. The Bigfoot 2000 makes a great replacement for anyone wanting more power for 040 boards, extra RAM, etc. The Bigfoot 2000 is available through Amiga dealers and distributors or direct from Micro R&D. \$189.00  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

## Eprommer

Eprom programmer for 2716 through 27512, 27513, 27011 for standard, A, and CMOS parts. You can read proms as well as save to disk. \$149.95  
*Rio Computers, 3310 Beruwyck St., Las Vegas, NV 89121; (800) 782-9110*

## ISOBAR® Ultra Surge Suppressor

ISOBAR Ultra Surge Suppressor is UL listed for UL1449 (330 Volt-let-through) and UL 1283 (electromagnetic filter). Available in 4-, 6-, and 8-outlet models. Features isolated filter banks to prevent interference between connected components, two or three UL listings, multiple filtering components, and rugged, all-metal case. Diagnostic indicators display wiring faults and protection status. Six-foot line cord, circuit breaker, and illuminated on/off switch. Lifetime warranty covers unit and equipment connected to it. Also guaranteed against surge damage, including direct lightning strikes. 4 outlets: \$89.95, 6 outlets: \$104.95, 8 outlets: \$119.95.  
*Tripp Lite, 500 N. Orleans, Chicago, IL 60610-4188; (312) 329-1777*

## Keyboard Adapter

Plug adapter which allows the use of an A2000 keyboard on the A1000. \$24.95  
*Advanced Integration Research, 3006 North Main Street, Logan, UT 84321; (801) 753-4947*

## MEMOPLUG for the Amiga

Designed to protect software from being copied. Plug connects to Amiga's parallel port leading to the printer. Plug is totally transparent, both to end user and printer. The software that is included (object code) will totally avoid any operation of the program when plug is disconnected. Includes C source code samples showing how to use MEMOPLUG routine, serial numbering, demo mode, and secret code for each software house using it. Runs on any Amiga with any OS. Price includes secret code; any plugs you order will be programmed with that code. Each plug \$24, min. 50 plugs per order. \$500.00  
*HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319; (011) 972-331-5967*

## MultiStart II

Allows A500 and A2000 owners to install multiple Kickstart ROMs in their computer. Lets you install Kickstart v2.0 and v1.3 and switch between them with the keyboard. This is the easiest way to upgrade to 2.0 and still stay compatible with your software that only works under 1.3. Can also install a third ROM. No external wires or switches required. \$59.95  
*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

## MultiStart II 6A

Allows A500 and A2000 owners to install multiple Kickstart ROMs in their computer. Lets you switch between ROMs with the keyboard. This version is compatible with all Amiga 500 and 2000 versions, including the A500 Plus. The MultiStart II 6A is compatible with most internal accelerators for the

A500 and A2000. No external wires or switches required. Price stated is without ROMs. \$59.95  
*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393; (313) 960-8750 support*

## NES, Inc. AM-205M Two Port Serial Card for MIDI Applications for Amiga 2000/3000

Provides dual access for MIDI applications. Available July 1992. \$274.95  
*N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221; (503) 246-9311*

## NES, Inc. AM-205R Two Port Serial Card for RS-232 Applications for Amiga 2000/3000

Provides dual access for high speed serial RS-232 applications. \$274.95  
*N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221; (503) 246-9311*

## Polaroid CI-3000/CI-5000 Driver

This driver allows any image loaded into Art Department Professional to be rendered onto film using the Polaroid Digital Palette. The CI-3000 and CI-5000 models are supported as well as a large number of camera backs. Requires a Polaroid Digital Palette (c. 3000 or 5000) and Art Department Professional. \$200.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*  
**Please see display ad in color section.**

## Robotarm

Full-function five axis movement can manipulate small objects with amazing human-like dexterity. Comes with finger jaws, shovel scoop, magnetic attachment, and two joysticks. \$89.95  
*Rio Computers, 3310 Beruwyck St., Las Vegas, NV 89121; (800) 782-9110*

## SA Upgrade Kit

SA host adapter owners who have version 34.808 ROMs should consider this upgrade if they are planning on moving to the new System 2.0 operating system. Version 34.8081 upgrade ROMs and instructions for installation are included. One-year warranty. \$19.95  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5; (416) 785-3553*

## SCSI Tower for A2000

This unusually attractive Tower Case for A2000 is available in cream or charcoal black. Features LED speed ind., read light, power light, front power switch, security lock, and optional reset button. Also has turbo button for PC expansion. Includes four 5.25-inch half-height bays accessible from front, one 3.5-inch full height internal, two 3.5-inch half-height internal, one 5.25-inch half height internal. Includes all parts to get you up and running.  
*Specialized Computer Systems International, 2616 W. Missouri Ave, Phoenix, AZ 85017; (602) 246-2599*

## SHARP JX-100 DRIVER

This WYSIWYG driver allows the JX-100 owner to scan from within ADPro providing high quality color image input up to 6.4 by 4 inches in size. Includes stand-alone version. \$129.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*  
**Please see display ad in color section.**

## SHARP JX-300, 320, 450, 600 Driver

This is the software only version of Professional ScanLab II for those users who already own an ASDG GPIB interface card. This WYSIWYG driver allows users to scan from the JX-300, JX-320, JX-450, and JX-600 color scanners from within ADPro. Includes stand-alone version. Scanners available through Sharp Electronics; see Vendor Information. \$300.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713; (608) 273-6585*  
**Please see display ad in color section.**

## Scannery

Scannery is a software/hardware package that interfaces the HP ScanJet series of flatbed scanners. High quality images may be scanned in resolutions from 12 to 1500 dpi in black and white, four dither patterns, or in 16 or 256 grayscales. The images can be saved in a rich variety of formats for inclusion in any desktop publisher on most computers, or faxed out through the Aefax/modem. It features

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Miscellaneous Hardware

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

ease of use and installation. \$250.00  
*Concise Logic, 36 Tamarack Ave., Ste. 315,  
 Danbury, CT 06811; (203) 746-6739*

## SwitchStart

Adapter board which plugs into the KickStart ROM socket and enables the user to switch between two versions of KickStart (for example 1.3 and 2.0). Works in A2000, A500, and A1000 with Rejuvenator installed. Also has a jumper to enable A500s with Rev 5 motherboards to use the new 2.0 KickStart ROM. NTSC/PAL compatible. \$59.95  
*Expert Services, 5912 Centennial Circle,  
 Florence, KY 41042; (606) 371-9690*

## Symposium

Voice mail plug-in card for Amiga 2000/2500 series. Simulates answering machine, call forwarding, voice-mail boxes, Touch Tone remote computer control, Touch Tone walk through menu/information manager from remote phone, remote Touch Tone I/O control/monitor, Amiga text reading speech to a remote phone. Requires A2000/2500 series with 1MB RAM and hard drive. \$199.00  
*Pacific Digital, 13552 Portsmouth Circle,  
 Westminster, CA 92683; (714) 373-4112*

## TACH 25

Hardware/software system for archiving software. High speed duplication works with two to four drives. Copy up to 81 tracks. Duplicate non-Amiga formats. \$89.95  
*Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121; (800) 782-9110*

## TKF-7300J

A new concept in hi-res capture camera. TKF-7300J can grab images up to 2208x1728 in 16 or 24 bit/pixel. TKF-7300J brings you the exciting world of image processing—more quickly, more realistically, and with higher quality. NTSC only. \$8495.00  
*JVC Professional Products Co., 41 Slater Drive,  
 Elmwood Park, NJ 07407; (201) 794-3900*

## The Air Compressor

Data compression card. Compresses at speed of operating system. Compresses 880K/second. Uses embedded algorithms for speed and accuracy. Includes software and utilities for a transparent operating interface. Access compressed files instantly. For A2000/3000, A500 with expansion slot. Available November 15, 1992. \$375.00  
*Advanced Integration Research, 3006 North  
 Main Street, Logan, UT 84321; (801) 753-4947*

## The Bit Knitter

A computer-knitting machine interface which allows you to design in a paint program on the Amiga and download the design to an electronic knitting machine. Watch the progress of the design as you knit. The manual instructions are written for DeluxePaint although other programs may be used. The following knitting machines are supported: Studio/Singer, Brother/Knitting, and Passap Electronics. AmigaDOS 2.0 compatible. \$499.99  
*Cocheville Design Studio, P.O. Box 4276,  
 Encinitas, CA 92023; (619) 942-1957*

## UPS System (BC-series)

BC-600 LAN UPS System provides 600 VA of emergency power in the event of a blackout. Surge and brownout-protected. Line/Battery power indicator lights and audible alarm. Provides 21 minutes of backup at half load and eight minutes at full load. Made in U.S.A. two-year warranty. RFI/EMI-protected. Also available in 250 to 4400 VA, as well as LAN-specific and true on-line UPS models. \$377.00  
*Tripp Lite, 500 N. Orleans, Chicago, IL 60610-4188; (312) 329-1777*

## ◆ CD-ROM ◆

### A570 CD-ROM Drive

The A570 is a CD-ROM drive for the Amiga 500 series. It plays all CDTV, audio CD, CD+G, and CD+MIDI discs. Easy accessibility as a standard Amiga drive. Front panel stereo headset phone jack and volume control. Internal 2MB expansion capability. Note: All Amiga 500 computers will require an upgrade installation. Coupon with complete servicing details is packed in the A570. \$659.99  
*Commodore Business Machines, 1200 Wilson  
 Drive, West Chester, PA 19380; (215) 431-9100*

## CDROM-FS

CDROM-FS version 702 enables Amiga owners to connect most SCSI CD ROM drives to an Amiga with a SCSI interface. This software provides support for industry standard ISO 9660/High Sierra format CD ROM discs. It comes with clear, concise instructions, making it easy to install and use. \$50.00 Canadian. Requires A590, A2091, A3000, or Microbotics Hardframe GVP. \$49.95  
*Canadian Prototype Replicas, P.O. Box 8,  
 Breslau, Ontario, Canada N0B 1M0; (519) 884-4412*

## CDx-650E

An external CD-ROM drive system in its own small enclosure. Includes CDx software disk, SCSI cable, disc caddy, and Xetec's 'Fish & More' Vols.1 and II with over 650MB of freely distributable software including the Fred Fish library (up to #470). Also plays audio CD's with included software. Requires SCSI controller. AmigaDOS 2.0 compatible. \$599.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## CDx-650I

An internal CD-ROM drive system (5.25-inch format) for the A2000/2500. Includes the CDx software disk, audio and ribbon cables, disc caddy, and the 'Fish & More' Vols. I and II discs. Also plays conventional audio CD's. Requires SCSI controller. AmigaDOS 2.0 compatible. \$499.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## CDx-650LE

External CD-ROM drive system like the CDx-650E but in a larger enclosure with a 120/230-volt selectable power supply for international use. Requires SCSI controller. AmigaDOS 2.0 compatible. \$599.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## CDx-Driveless

Add a CD-ROM drive to make a complete external CD-ROM system. Includes chassis with power supply, CDx software disk, SCSI cable, disc caddy, and 'Fish & More' Vols. I and II discs. Requires SCSI controller. AmigaDOS 2.0 compatible. \$150.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401; (913) 827-0685*

## ◆ UNINTERRUPTIBLE POWER SUPPLIES ◆

### Remote Control Panel (RCP)

Designed to make UPS even easier to use. Comes standard on Best's FD and RD series FERRUPS UPS models; available as option on ME and RE models. The RCP lets you monitor and control your UPS from a remote location. Features automatic communications, user-programmable display and set points, remote security, easy-to-see LEDs, runtime and power and operations monitoring, battery and inverter checks, and alarm and inverter logs.  
*Best Power Technology, P.O. Box 280, Necedah,  
 WI 54646; (800) 356-5794*

### Topaz CUB UPS

Provide inexpensive power conditioning for large LAN systems, high-powered servers and workstations, networking devices, and critical data applications requiring higher battery backup. VA models as well as line interactive (VR) series which provides true brownout and overvoltage regulation. Lightweight, easy to install, rugged design. \$189 to \$1,295 for 250 VA up to 1400 VA; 800 VR series: \$799, 1000 VR series: \$1,095, 1400 VR series: \$1,395.  
*Square D Company/EPE Technologies, 1660  
 Scenic Ave, Costa Mesa, CA 92626; (714) 557-1636*

## ◆ Virtual Reality/Graphics ◆

### AmiVR1

Stereoscopic 3D Amiga and video viewing system for one viewer. Includes 1 pair liquid crystal electronic shutter glasses, 1 AmiVR video interface, 1 3D VHS videotape, cable, power supply, attractive padded carry case, and Amiga 3D stereoscopic demo disk. Developers please inquire for 3D stereoscopic programming support. The AmiVR1 video/LCD glasses interface connects either to the NTSC video output of the Amiga (A500, A600, A1000, A1200, A2000, A2500) or via the A520 video

adapter for the A3000 or A4000. The LCD glasses synchronize to the Amiga 3D graphics through the NTSC video signal's sync. The AmiVR1 also works completely independent of the Amiga with any NTSC video tape player (VHS, SVHS, 8MM, or Hi8) for viewing any of our library of over 80 3D stereoscopic videos (computer graphics, feature films, travelogues, and more). Write or call for list of available tapes. With AmiVR systems you can create authentic virtual reality simulations and stereoscopic videos of your own. The AmiVR is ideal for use with Animatrix Modeler, VistaPro 3.0, ImageMaster, Imagine, and other professional Amiga 3D rendering software with left/right eye view capabilities. Using field-sequential stereoscopic 3D technology, the stereoscopic images produced with these Amiga software packages can be recorded to video tape and viewed with AmiVR connected to a VCR and NTSC monitor. Contact MegageM for other professional virtual reality and stereoscopic 3D video production systems (dual camera systems, projection video stereoscopic equipment, etc.). Shipping \$10.00 in North America. Inquire for abroad. \$300.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

### AmiVR2

Stereoscopic 3D Amiga and video viewing system for two viewers. Includes 2 pair liquid crystal electronic shutter glasses, 1 AmiVR video interface, 2 3D VHS videotapes, cable, power supply, attractive padded carry case, and Amiga 3D stereoscopic demo disk. Developers please inquire for 3D stereoscopic programming support. The AmiVR1 video/LCD glasses interface connects either to the NTSC video output of the Amiga (A500, A600, A1000, A1200, A2000, A2500) or via the A520 video adapter for the A3000 or A4000. The LCD glasses synchronize to the Amiga 3D graphics through the NTSC video signal's sync. The AmiVR1 also works completely independent of the Amiga with any NTSC or dual standard (for PAL) video tape player (VHS, SVHS, 8MM, or Hi8) for viewing any of our library of over 80 3D stereoscopic videos (computer graphics, feature films, travelogues, and more). Write or call for list of available tapes. With AmiVR systems you can create authentic virtual reality simulations and stereoscopic videos of your own. The AmiVR is ideal for use with Animatrix Modeler, VistaPro 3.0, ImageMaster, Imagine, and other professional Amiga 3D rendering software with left/right eye view capabilities. Using field-sequential stereoscopic 3D technology, the stereoscopic images produced with these Amiga software packages can be recorded to video tape and viewed with AmiVR connected to a VCR and NTSC monitor. Contact MegageM for other professional virtual reality and stereoscopic 3D video production systems (dual camera systems, projection video stereoscopic equipment, etc.). Shipping \$12.00 in North America. Inquire for abroad. \$400.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454; (805) 349-1104*

# CDTV

## ◆ CDTV ◆

### A Bun For Barney

A Bun For Barney is a delightful animated story for children aged 3 to 6 about a bear who learns to say 'no.' As they watch, children can make characters pop up, play learning games, and perform songs. This disc also encourages early reading. Children can read each sentence as it is spoken in the narration or select individual words to hear them pronounced. Animated by Melendez Films, producers of the well-loved PEANUTS specials on CBS Television, and narrated by Tom Baker, star of Dr. Who. \$49.95

*Multimedia Corporation, 109X Regents Park Road, London, England NW1 8UR; (011) 4471-722-7595*

### A Long Hard Day on the Ranch

Desperate bandits, runaway cattle, and broken toes hold no terrors for our imaginative hero. This tall tale shows how a young boy imagines his days at his uncle's ranch-while accompanying illustrations show the more mundane reality. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$44.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

### Advanced Military Systems

Advanced Military Systems includes over 1000 breathtaking action shots of the world's most exciting and powerful military systems. These images are combined with hours of music and narration to create an exciting and informative multimedia production. In addition to the narration, each system includes text, specifications, and the ability to view each image individually. Advanced Military Systems includes the Soviet MiG-29 Fulcrum jet, U.S. MIA1 Abrams tank, Iraqi al-Abbas missile, Israeli Kfir jet, U.S. Nimitz-class aircraft carriers, Soviet Typhoon-class submarines, U.S. F-117A Nighthawk 'stealth' fighter, and much more. Over 100 systems in all. \$39.95

*Dominion Software & Design, Inc., 3328 Oakshade Court, Fairfax, VA 22033*

### Airwave Adventure: Murder Makes Strange Deadfalls

Dark clouds gather like mourners at the ancestral home of Randolph Steere, patriarch of the Steere family. As the mighty fall, so falls Randolph, right down the staircase within his mansion. But, he really left the world five years ago when he lost his wife Irene. Strange stories have grown up around this ominous place since Randolph secluded himself here and no one can say what will happen now! Try to discover Randolph's last wishes and find out if ghosts really walk in Steer manor in this comedic thriller. Also available for CD-ROM and NTSC/PAL. \$49.95

*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040; (213) 721-8282*

### Airwave Adventure: The Case of the Cautious Condor

Tiger Media's breakthrough interactive mystery is now available for CDTV! Explore hundreds of images, hours of audio, and thousands of possibilities. Can you discover the solution? Join Ned Peters, detective, and a colorful cast of suspects on board the 1937 maiden voyage of the Condor. You have 30 minutes to solve the crime on this thrilling flight into history and murder. Available in PAL/NTSC. \$49.95

*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040; (213) 721-8282*

### American Vista Multimedia Atlas

American Vista provides a world of excitement and discovery. Maps of each state illustrate political, topographical, industrial, and agricultural features. Almost 1100 professionally-photographed images display people and places from each state and our nation's capitol. Many examples of regionally-specific speech and our folk music heritage are also included. Further details include statistical information and history for each state along with state seals, flags, flowers, animals, and license plates. Historical maps and flags along with pictures and detailed captions of each president are also featured. \$79.95

*Applied Optical Media Corp., 1450 East Boot Rd., #400, West Chester, PA 19380; (215) 429-3701*

### Animals In Motion

Using historic footage from Eadward Muybridge, Animals In Motion gives a fascinating insight into animal locomotion. From horses, dogs, cats, across the spectrum of the animal kingdom to exotic creatures like guanacos and sloths, Animals In Motion is an unsurpassed resource of animated photographic images. From artist to scholar, historian to naturalist, both young and old, Animals In Motion is a valuable encyclopedia of animal reference. Animals In Motion can be enjoyed like a book, watched like a documentary, or used like a database. Works on any 1MB Amiga and A570. \$50.00

*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114*

### Animated Coloring Book

For kids, and the child in all of us, the Animated Coloring Book makes it simple to create beautiful pictures and then bring them to life. Using up to 61 crayons (colors), you pick up the one you want and click to fill in the outlines. Have fun coloring a variety of animals like dogs, cats, and even elephants. Then with a click you can bring your colored picture to life through animation and see dogs walk, cats play, and more! You can also let the computer color for you, to provide examples for teaching youngsters. \$39.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

### Barney Bear Goes to School

Barney Bear Goes to School is a learning game for pre-school children that combines colorful, animated graphics and rich, 'multi-track' audio. It consists of two segments: Storytime, which shows children how to get ready for a day at school, and Schoolroom, which lets children select and play many learning activities. Storytime shows Barney Bear getting ready for school and teaches children to clean their room, to eat a good breakfast, and to look both ways before crossing streets. The game asks children to identify objects on the screen and then rewards them for correct choices with audio response. Once Barney is in his schoolroom, children may choose from activities such as spelling games, counting games, colors, shapes, and a coloring book. \$39.95

*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201; (812) 376-9964*

### Basketball

Basketball brings all the on-court excitement and backroom strategy of real-life basketball into your own home. The SBA League allows you and a friend to own, manage, and coach your own basketball team. Recruit from the Minor Leagues, improve your current roster at training camp, or trade for other players with varying ages, injuries,

and abilities. Team stats chart the past 9-years of every team in the league. All-time individual and team records kept for the history of your franchise. Complete nine year player stats document your team's performance. Control the on-court action with precision passing and shooting, aggressive defense, and slam dunks! One or two players can challenge each other, or watch the computer play itself. \$49.95

*Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040; (215) 675-5000*

### Battle Chess

An entire medieval world at war is reflected on the checkered field. Colorful and dramatic 3-D animation. Over 4MB of animation and 10 different difficulty levels, 400K of digitized sound effects. Modern capability for remote play. Opening library of 30,000 moves. Play against a friend, against the computer, or let the computer play itself. Requires CDTV only. \$59.95

*Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655*

### Battlestorm

Message received on all emergency channels: 'There is a state of emergency on all frontier worlds. The Kalomarian enemies are taking over this galaxy. Their state-of-the-art command vessels, the Battlestorm starships, are capable of destruction on a stellar scale. There is little time to counterattack these invaders. The Empire is already defenseless, nevertheless we hold hope, as the ancient prophecy has foretold: From the ashes of conquest shall rise a warrior and the storm will be blown away.' The future of the Empire of Worlds is in your hands. You will need all the help you can get if you are going to destroy the Battlestorm starships and launch your final attack on their headquarters. \$44.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693*

### CD-REMIX Version 2

From Microdeal. Leaves the original in the starting blocks. You can jump around the track, overlay any of the more than 600 sound effects, speech, or drum beats that come with CD-REMIX, insert pauses, robot speech, and even control a second CDTV player from the first. \$49.95, \$29.99. \$49.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### CDTV MiG-29 Fulcrum

Fly the Soviet Union's MiG-29 Fulcrum, probably the best fighter aircraft in the world. A simulation which combines real sounds and images to produce the thrills of combat and give an unprecedentedly high level of unique and accurate technical detail. Prove your skills in an array of gruelling missions in real-life scenarios. A totally realistic interactive flight simulator. Available in March 1992.

*Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929*

### CDTV-CD1000

Commodore Dynamic Total Vision combines audio, video, graphics, and text. While it is able to play standard audio compact discs at 8X oversampling rate, CDTV is also equipped to run Amiga programs from CD's. The player is controlled by a specially designed Amiga motherboard with five additional custom chips. It contains 1MB of RAM, 512K ROM, slots for an optional video card and a DMA card, as well as an external port for RS-232 devices, an external drive, two audio ports, MIDI In/Out, stereo headphone jack, and a personal RAM card. Additional optional peripherals include an external floppy drive, trackball, joystick,

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

## CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

MIDI In/Out (through a third party), Genlock, an expansion module, a keyboard, modem, and printer. \$599.00  
**Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Chaos in Andromeda

Chaos in Andromeda is a fantasy role-playing game set on Koranis 12. Your mission is to find and bring back the political figure and scientist Mr. Noko Yai. He has been kidnapped; if you can't bring him back you must destroy him. Available for NTSC and PAL. \$50.00  
**On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114**

## Classic Board Games

Classic Board Games enables you to play Chess, Checkers, and Backgammon on your television. Pit your skill against the game and select the level of difficulty or challenge a human opponent. Games are simply and easily controlled with the CDTV remote controller. Audio directions and updates are provided in six languages: English, German, Japanese, French, Spanish, and Italian. No knowledge of the games is required. \$49.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353**

## Composer Quest

Music History comes alive by taking you on a tour through time to investigate the greatest composers in classical and early jazz music, from the year 1600 into the 20th century. Composer Quest has two distinct modes of operation: one presents the material in the form of a lesson, the other in the context of an adventure game. The program also cross-references important events in world history, art, and sociological changes through the years. English, French, and German. \$99.00  
**Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194; (617) 455-1454**

## Defender of the Crown

Based on the classic films The Adventures of Robin Hood and Ivanhoe, Defender of the Crown is an interactive tale of brave knights whose days are filled with daring jousts, breathtaking sword fights, beautiful damsels in distress and enemy castle sieges. The adventure begins with the nation in turmoil following the death of England's ruler, King Richard. To save their beloved country, the bold Saxon knights clash against the evil forces of the plundering Normans. Only the strongest, most skillful and courageous knight can overcome the obstacles and win the crown to become King of England. The disc features a fully-orchestrated stereo soundtrack, motion-picture quality sound effects and speech elements that add a totally new dimension to this interactive game. \$39.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Dennis Wheatley's Herewith the Clues

A most enjoyable and intriguing detective-style mystery. Set in the 1930's, you play the role of a detective, searching through a complex array of clues and suspects to reveal the murderer of a police informant. A totally new design of interactivity, where the clues are made up of real tape recordings of secret conversations, photos, and hidden camera film of private meetings, animated exhibits, dossiers, and police reports. With 20 possible suspects and hundreds of clues, no two games are ever the same. Using interactive interface you piece together the evidence to build your case—but it better be strong to get a conviction!  
**Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929**

## Dinosaurs for Hire

What happens when three out-of-time gun-toting dinosaurs hit the streets? Bullets fly, evil-doers tremble, and insurance rates go through the roof. Dinosaurs for Hire is another in a series of comic books on disc. Hundreds of pages, thousands of screens, and more fun than you can shake a Tyrannosaurus at. NTSC/PAL. \$19.95  
**Wright Works III, Inc., 4 Hudson Road, Temple,**

**NH 03084; (603) 878-1491**

## Dominion

Dominion is a traditional strategy game brought to television. Each player buys and sells national resources and maneuvers his or her armies, fleets, and air forces to protect and expand territory. Dominion is set late in the 21st century with each player controlling one of the seven great empires of the world. The action is enhanced with music, sound effects, high-quality action images, and animation. CDTV keeps track of the tedious chores of a traditional board game—scoring, dice rolling, random events, rule umpiring—and enhances it with exciting multimedia action and a fluid pace. Dominion can be played by one to seven players. Available Summer 1991. \$49.95  
**Dominion Software & Design, Inc., 3328 Oakshade Court, Fairfax, VA 22033**

## Dr. Wellman

Dr. Wellman is a comprehensive home health system covering all the areas of health care relevant to an average family. The material is presented in a simple, friendly manner incorporating text (with narration), graphics, animation, music, and sound effects. A unique keyword system provides a dictionary of over 600 explanations for names, terms, symptoms, and conditions. A wide variety of medical topics including First Aid, dental care, travelling abroad, and most importantly, a wealth of information to keep you and your family healthy. Contains password-protected sections dealing with Adult health. \$79.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Electric Crayon Deluxe: All Dogs Go To Heaven

All Dogs Go To Heaven is an exciting title that transforms your television into an electric coloring book. With 30 delightful and enchanting coloring book pictures and spoken words and songs, the disc tells the story of Charlie B. Barkin, a roguish German Shepard with a con man's charm and a marshmallow heart. Based on the animated film by Don Bluth, this disc is a must for all children and the young at heart. \$14.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244; (214) 385-2353**

## Emergency Languages

Going abroad at short notice and can't speak the language? Emergency Languages is for you. Useful phrases covering all those everyday needs from taxis to airports to a drink in the bar are read out to you. Don't be at a loss for words; get a crash course in French, German, Spanish, Italian, Japanese, and Danish. Works on any 1MB Amiga and A570. Available 2nd quarter 1992. \$50.00  
**On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114**

## Fantastic Voyage

Based on the 20th Century Fox film, Fantastic Voyage challenges players to make their way through the human bloodstream in order to destroy a bloodclot in the brain, fighting antagonistic white blood cells, antibodies, and other hazards along the way. The game features unique organic graphics and sound effects. \$49.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226**

## Foundation 3.0

Powerful, flexible application development environment. Includes Foundation System, Bottom Line and MultiMedia Factory applications, hypertext linked help system, appointment calendar, databases, more. Has macro record/playback, Professional Stack Maker, full ARexx support, and support for CDTV/A570 CD drives and CDTV remote control. AmigaDOS 2.0 compatible. \$100.00  
**Parallax Publishing, 471 Lighthouse Ave, Pacific Grove, CA 93950; (408) 646-1032**

## Fun School 3

Fun School 3 for the Under 5s consists of six educational activities that help to develop many skills including number, shape, and word recognition. Your child can learn at his/her own pace.

Beautifully created pictures, stunning animation, and exciting sounds make learning fun and effective. Three packages, each with a suite of six multilevel programs. Each program is aimed at different age groups: under five, five to seven years, and over seven. There are several levels of difficulty in each activity. A parent-teacher's guide is included. \$49.95

**Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333**

## Fun School 5 to 7s

The five to seven pack follows the under 5s successful formula of six educational games, each with several levels of difficulty, covering all the children's favorite subjects. These help develop many skills including number and word skills at a child's own pace. The games are Toyshop, Electricity, Collect, Funtext, Time, and Journey. Beautifully created pictures, stunning animation, and exciting sounds will keep children coming back for more again and again. \$49.99

**Europress Software, Europa House, Adlington Park, Macclesfield SK10 4NP, England; (011) 44-625-859-333**

## Future Wars

Travel back and forth through time to save the earth from future destruction by alien invaders. Over three years in development, the animated cinema-style graphics, user-friendly interface and digitized sound track combine to form a complete gaming experience. Requires CDTV only. \$59.95  
**Interplay Productions, 17922 Fitch Ave, Irvine, CA 92714; (714) 553-6655**

## Gardenfax: Fruit, Vegetables & Herbs

Fruits, Vegetables & Herbs is a quick and accurate way to answer your questions about choosing and cultivating many edible plants. In this program, use the graphic symbols to search the criteria, look at the plants, and make your selection. There are over 170 plants with such criteria as planting time, harvesting time, and soil and light types. Included are fruit and vegetable types such as root, leaf, and exotics. \$49.95

**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Gardenfax: Garden Plants

Garden Plants is an easy, fun, and informative way to select and care for beautiful plants in your garden. The program allows you to search by criteria or by name, or just browse through all the plants on the disc. There are over 400 bedding and bordering plants presented in full color. The criteria for helping you find the plant to suit your needs for Garden Plants are flower color, plant type (such as bedding, border, bulb, tuber, rockery), light aspect, height, planting time, flowering time, and soil type. \$49.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Gardenfax: Indoor Plants

Indoor Plants takes the guesswork out of choosing and caring for houseplants. Over 200 plants are presented in full color pictures and text. The pictures and information may be found by common and botanical name or by selecting a combination of criteria such as room temperature, light conditions, flower color, and size. Using the remote controller, make choices from the symbols on the screen, and find plants to suit your home. For instance if Grape Ivy (Rhoicissus Rhombifolia) was selected, you would get hints on watering, positioning, feeding, and audiovisuals on taking stem cuttings and repotting. \$49.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Gardenfax: Trees, Shrubs, Roses & Conifers

Trees, Shrubs, Roses & Conifers is an interactive information program designed to answer the questions of all gardeners about their horticultural plants. Over 300 plants can be selected by criteria or name, or you can just browse through the collection. Gardenfax is easy to use and provides comprehensive and practical advice such as when to feed and water. Plants can be selected from a

variety of criteria such as flower color, leaf color, plant type, light aspect, height, and spread, as well as planting time, flowering time, soil type, and speed of growth. \$49.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Guinness CDTV Disc of Records

Brings the best-selling book of fascinating feats and achievements to life with audio-visual tours, animation, sound, and pictures. Choose from any of 6,000 world records by topic or superlative (e.g., longest, tallest, fastest, etc.) to explore a wealth of intriguing facts and figures through hundreds of photographic images and graphics, audio files, and special effects. \$49.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Heather Hits Her First Home Run

The bases are loaded, her friend Jeffrey is on third, and everyone is calling for a home run as she steps up to bat. All in all, it's a pretty frightening moment for Heather—but she comes through. This story tells of how children feel in life's crucial moments. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
**Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537**

## Hound of the Baskervilles

A maze of intrigue and passion comes to light in the granite wilderness of Dartmoor as the curse of the Baskervilles strikes again. The Hound of the Baskervilles CDTV disc recreates Sherlock Holmes' greatest case from contemporary evidence, using original papers found in Dr. Watson's tin dispatch box. Watson, Holmes' famous friend and assistant, kept all the records and evidence meticulously and now you too can follow in his footsteps, clue by clue. Journals, newspaper cuttings, telegrams, letters, notes, police reports, photographs, and material evidence have been assembled together to document the mystery of The Hound of the Baskervilles. It is only by narrowly escaping death that Holmes and Watson solve the mystery of the spectral hound. With a plot from the genius of Sir Arthur Conan Doyle and a game designed by the renowned Simon Goodenough, the atmosphere is heavily laden with suspense and drama. Works with any 1MB Amiga and A570. \$50.00  
**On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114**

## Illustrated Shakespeare

The complete works of the world's greatest playwright is now available on a single compact disc. From the comfort of your arm chair, you can read the complete works including plays, poems, and sonnets. All major scenes are illustrated with reproductions of original woodcuts. Electronic reference technology allows instant searches to be made on the entire text using simple and easy functions. Features include easy-to-use graphic display, instant search for word or phrase, complete concordance, bookmark facility, woodcut illustrations, and illustrated 'Dramatis Personae' for each character. \$49.95, \$29.99, \$49.00  
**Animated Pixels, Albemarle House, Osborne Rd., Southsea, Hants, PO5 3LB United Kingdom; (011) 4470-529-1866**

## Illustrated Sherlock Holmes

Sherlock Holmes, the world's greatest detective, is now available on a single CD-ROM. The complete set of 60 exciting stories are beautifully illustrated in full color. All text is complimented by atmospheric music. Features include over 250 color illustrations relating to the text, appealing graphic display, bookmark facility, choice of 10 custom fonts and search facility. \$49, \$34.99, \$49.00  
**Animated Pixels, Albemarle House, Osborne Rd., Southsea, Hants, PO5 3LB United Kingdom;**

(011) 4470-529-1866

## Interplay CDTV

Interplay CDTV is an authoring system for use by CDTV developers. No programming skills are required as Interplay utilizes a DTP type freeflow page layout system. Features: Supports all display modes, SMUS music files, sound samples, animations, text, media spooling for unlimited length animations and samples. VAXL motion video playback with CDTV disc simulation plus much more. Totally optimized for compact disc operation. PAL/NTSC compatible. AmigaDOS 1.3 and 2.0 compatible. Minimum 1MB RAM, two floppy drives; 4MB RAM and 40MB hard disk recommended. \$5000; £1,900.  
**Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA; (011) 4445-555-8282**

## KIM

KIM is the memory game modelled on children's party games in which a variety of objects is displayed—the viewer having to memorize the object and pick them from a larger list or display of visual objects. Over 10 categories ranging from kitchen to transport, flags to animals—over 200 hundred pictures. A highly competitive and popular game for one or two players or teams, KIM is ideal for K-12 education or the home. \$29.95  
**Lascelles Productions, 401 Lascelles St, PO Box 959, Hastings, New Zealand; (011) 64-6-878-9652**

## LTV English

LTV English helps people learn English as a second language. Conceived for use in a family setting, it helps to improve oral comprehension for many levels of competence. Over 30 situations and more than 150 exercises are included. LTV English provides a cultural approach to the United Kingdom and to the United States via a series of 'news reports' on London (daily life), Los Angeles (pop culture), and contemporary issues. It allows the user to familiarize himself with the English and American accents, and to rapidly improve his mastery of the language. \$49.95  
**Jeriko, 5 Bld. Poissoniere, 75002 Paris, France**

## Lemmings

Lemmings establishes a brand new category of game for the Amiga. You've never seen anything like it! Hordes of tiny characters that you have to guide through many levels of obstacles and adventures building bridges, digging tunnels, climbing mountains, parachuting to safety. Get them on their way through each level as quickly as you can, or they start to inundate you and happily proceed to their own oblivion. Each level requires you to construct increasingly complex routes to save as many Lemmings as you can. Lemmings features tiny, incredibly-detailed and expressively-animated characters (up to 100 Lemmings on the screen at once), one-player or split screen two-player action, 120 mind-blowing increasingly difficult playing levels, and some of the most entertaining game playing music you'll ever hear. This one is a classic! \$49.99

**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146; (617) 731-3553**

## Lunar Rescue

All your wits and skills will be challenged in this race to rescue the crew of Apollo 19, stranded on the moon during a mission. Digitized NASA footage provides realism. Cinematic cut-scenes create suspense. An animated Space Database teaches you important facts about space and our solar system using digitized graphics and sound effects. Features include: digitized miniature sets and plastic models and a professionally orchestrated CD AUDIO sound track. Over 20MB! The disc contains English, French, German, Italian, Japanese, and Spanish. \$49.99  
**Odyssey Software, P.O. Box 367, N. Eastham, MA 02651; (508) 240-2317**

## Many Roads To Murder

Many Roads To Murder can be a disappearance or robbery. Which one depends upon your first choice of plot lines. Your second choice deter-

mines the next plot twist. The stories evolve in unexpected directions from smuggling to espionage, from collegiate revenge to a mysterious African expedition. As the title suggests, there are many roads to choose from. Each one challenges you to solve an excitingly different mystery adventure. This disc contains hundreds of images and a dramatic audio track. \$39.95

**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Mind Run

Mind Run consists of a set of exercises to test your intellectual aptitudes and to use for evaluation and personal development. This interactive product includes fun and challenging tests to sharpen your capabilities in memory, stress, listening, reflexes, logic, and understanding of machines. You can control the level of difficulty for each type of test. This graphical challenge will engage and entertain you for many hours. \$44.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Moving Gives Me A Stomach Ache

Moving is not easy for anyone, but for a little boy it is especially hard. This is a warm, sensitive story that explores children's feelings about moving and shows them that it's not so bad after all. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
**Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537**

## Mud Puddle

Have you ever wondered how kids get so dirty? Meet a walking mud puddle and see how it continually ambushes one little girl-until she gets the better of it. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
**Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537**

## Murder Anyone?

Murder Anyone? challenges you to discover who killed Derrick Reardon. You must crack the alibis of the eight suspects: the victim's ex-actress wife, his spinster sister, his playboy brother, his extremely private secretary, his teen-aged ward, a mysterious German businessman, the family doctor and, of course, his butler. Each of the 16 stories has a unique, puzzling solution that will test your sleuthing skills. Clues are presented as a series of full color images with a dramatic audio track. \$39.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Music Maker

Anybody will be able to play music in minutes using the unique features of Music Maker. Choose one of the 17 song tracks, select from over 40 instruments and play along. There is a level for everyone—one key play for beginners, melody play for the more musical, and free play mode for the talented or brave. The CD-quality audio tracks are accompanied by changing graphics. You can even play the drums with any of your favorite CD's. No musical experience is required. \$49.95  
**CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100**

## Musicolor

Virgin Multimedia, a division of Virgin Games, brings you this CDTV adaptation of the Tobin Music System. Learn how to read music and compose your own. Write your own music on

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

screen and hear it being played. Scintillating color graphics, aural tests to aid learning, games and songs, easy-to-follow on screen instructions, 8-bit sampled sound effects, more.  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## NASA...The 25th Year

First in the Heroic Age of Spaceflight series. This overview of the early decades of America's quest for the stars is one of the first CDTV titles to use the CDXL motion picture format: .25 screen, 10 frame per second motion picture from 5.25-inch CD. Subjects covered include early aeronautic research, the Soviet challenge and U.S. response, Project Apollo, Voyager and Viking, the Space Shuttle program, and future prospects. Viewer can select from the indexing system of 12 sections only those parts of the movie that he wants to see. Requires 1MB. Displays properly on both NTSC and PAL screens. \$24.95  
**Troika Multimedia, Inc., 3900 North Fairfax Drive, Ste 404, Arlington, VA 22203; (703) 841-5160**

## Nam

The longest and most controversial conflict in US history. A war fought in the White House and in the steaming jungles of S.E. Asia. As president you can use your political and military skills to change the course of the war and rewrite history. Balance military commitment against public opinion. Nam is an extremely accurate strategic model of the Vietnam War, with great playability. It combines historical detail from pages of the real tabloids of the Time and Time/Life magazines, with actual music, reports, and film of the era, to produce a highly entertaining simulation. This is the Apocalypse Now for CDTV. Available in March 1992.  
**Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929**

## Ninja High School

Ninja High School is a tong-in-cheek comic book on a CD. Jeremy Feeple, an otherwise normal American kid, gets involved with the strangest characters when a princess from outer space and the daughter of a secret Ninja society start competing for his affection. Hundreds of pages, hours of fun, and much better looking than those silly turtles. PAL/NTSC. Available July 1992. \$19.95  
**Wright Works III, Inc., 4 Hudson Road, Temple, NH 03084; (603) 878-1491**

## North Polar Expedition

North Polar Expedition is an exciting multi-role-playing adventure disc for groups of five to ten. The adventure simulates a journey to the Pole with real pictures and sounds from actual Arctic expeditions. In a race against time before the ice-pack breaks up, the group members take on the roles of leader, navigator, pilot, and so on, and must make the right decision to succeed in their quest. They also learn about the Arctic environment and develop important geographical skills. Ideal for small groups. \$49.95  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## Pandora's CD

A multimedia demonstration CD for CDTV including 2000 graphic color clip art library, photolibrary, textures library, sound fx library. Insight: technology sampler, multimedia demonstrations, for POS, POI, training, and education. All with motion video. Disk was produced with Interplay and Videostream. PAL compatible, 50% NTSC compatible.  
**Optonica Ltd., 1 The Terrace, High Street, Lutetworth, Leicestershire, England LE17 6BA; (011) 4445-555-8282**

## Power Pinball for CDTV

Pinball at its best! Over a dozen games for the price of one disk. A truly realistic pinball simulator. It reacts with the same snap, the same action. Each machine offers different challenges, digitized sounds, and exciting graphics. Contains both NTSC and PAL versions. \$39.95  
**KarmaSoft, P.O. Box 1034, Golden, CO 80402-**

1034; (303) 490-2939

## Prehistorik

Eat and beat your way through 150 scenes of awesome, nourishing fun and relive the Prehistorik epic in this incredible platform game. Armed with your Diner Club Anticus, proven to be the ancestor of the baseball bat, you start in pursuit of the Hilarious Maxidocus and take on armies of hairy spiders. Explore the virgin icefields of Antarctica, lush tropic jungles, and the dark and mysterious caverns of the shady continent. Don't worry about beatin' and meatin', it's for the good of the T-bone tribe. The hunt for lunch is on; come and get it! \$49.95  
**Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311; (818) 709-3693**

## Professional LS-118

Turn your Commodore CDTV and existitng home stereo into a Karaoke System. Features BBD 1024 stage delay, time 30msec, mike treble and bass control, four mike inputs, audio input selector, music and singing separating system, more. Five volumes of songs available. £199.  
**Lip-Singing Karaoke Ltd, 55 Great Titchfield St, London W1, England; 011-44-71-436-2813**

## Psycho Killer

Psycho Killer is an interactive TV experience. Shot on location in Southampton England, it uses photographic images and real actors. High quality audio and digitized images create total reality. The plot and game are interwoven. You are the hero; you must save the girl held by the psycho killer. Confront Psycho Killer, survive, rescue his potential victim, and escape. The story varies based on how you play. Starring A.D. Watts, Tracey Grech, and King Athel. Works on any 1MB Amiga and A570. \$50.00  
**On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114**

## Psycho Killer II

Uses new interactive techniques. Psycho Killer II is an interactive movie where you are the hero. You must track the Psycho Killer down through the eyes of a Psychic Investigator. But who is the prey? What forces are at work? There has never been anything quite like this before; the trailblazers of CD interactivity have broken through into new creative territory. Contains adult situations, nudity, language. Works on any 1MB Amiga and A570. Available 2nd quarter 1992. \$50.00  
**On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114**

## Scary Poems for Rotten Kids

Whether you are frightened by goblins or Gerbelgeks, fog phantoms, or even the dreaded pocket monster, you'll find lots of chuckles and chills in Scary Poems for Rotten Kids. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$54.95  
**Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537**

## Sherlock Holmes Consulting Detective

Capture the mystery and excitement of Holmes' London in this challenging and informative game. You, the player, will match your deductive abilities against the master sleuth himself, Sherlock Holmes. For the first time ever, experience real-time video and audio as Holmes and Watson interrogate potential suspects chosen by you! Search the London Times newspaper for clues, reference Holmes' files for information, or send the Baker Street Irregulars to gather more valuable information for you. You are presented with a mystery to solve, and it is then up to you to trace the threads of evidence through the byways and mansions of 19th century London. Sherlock Holmes is an inter-

active style detective game which utilizes the hardware and storage capabilities of CD. \$69.95  
**Icom Simulations, 648 S. Wheeling Rd., Wheeling, IL 60090; (708) 520-4440**

## Sign of Four

The second in the Sherlock Homes series, where the detective's great cases become multimedia adventures. A body lies cold in a locked room. Murdered, but how? The door is locked from the inside. The police are baffled. It's up to Sherlock Holmes to unravel the case. Years have passed, and the great sleuth's casebook has come into your hands. With all the clues, notes, and records of the crime, relive the baffling case of the Sign of Four. Follow in the footsteps of Holmes and Watson, try to crack the case yourself, or reconstruct the mystery. Works on any 1MB Amiga and A570. Available 2nd quarter 1992. \$50.00  
**On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114**

## SimCity

SimCity puts you in charge as both the mayor and the city planner of a dynamic real-time urban development simulation. Build houses, stores, factories, roads, football stadiums, airports, and parks. Collect taxes and run a city. Bulldoze entire neighborhoods, cause tornadoes and floods—everything is simulated and animated. With three different time periods, your city will evolve through time from the Wild West to Future U.S.A. Build the city of your dreams. \$49.95  
**Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041; (510) 254-9700**

## Space Wars

Space War is outer space combat action at its best. One or two players fight it out for a sector of space. Space War follows in the tradition of classics like Asteroids™ and features arcade-quality graphics and sounds to enhance the heart-stopping action that surrounds your space-faring warship. Play alone or combat another armchair starfighter in the most exciting and dangerous sectors of deep space. We digitized models moving around using a technique known as stop-motion animation to produce incredibly realistic animation. The disc contains English, French, German, Italian, Japanese, and Spanish. \$39.99  
**Odyssey Software, P.O. Box 367, N. Eastham, MA 02651; (508) 240-2317**

## Spirit of Excalibur

Spirit of Excalibur is an epic quest to restore the grandeur and glory of Arthur's Roundtable. To top off the excitement, the game is accompanied by a grand Wagnerian orchestral score. You explore over 100 beautifully-illustrated unique locations and listen to the conversations of the colorful cast of characters in this rich adventure game. \$59.95  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714; (714) 833-8710**

## Super Games Pak

Three high-quality arcade games for a single low price. JAILBREAK, BYTEMAN, and DEATHBOTS. Super Games Pak CDTV is not a straight conversion of the 5-disk Amiga game. This is a new version with 15MB of graphics and sound effects. The instruction manual is now on the disc and has graphics and sound effects. Each of the games has its own cartoon-like introduction. As a bonus you get the complete Lunar Rescue intro sequence. This is a movie-like sequence which runs for about 14 minutes straight and takes up over 5MB of disc space. English, French, German, Italian, Japanese, and Spanish all available on the same disc. \$39.99  
**Odyssey Software, P.O. Box 367, N. Eastham, MA 02651; (508) 240-2317**

## The American Heritage Illustrated Encyclopedia Dictionary

Houghton-Mifflin's highly regarded dictionary with 180,000 entries is enhanced in this CDTV version with 3,000 color illustrations and an automated word pronouncer and speller. As with Xiphias' Time Table series, every word on the TV screen is 'hot' so all the material links easily to all other references to that word, turning the material into an

exploratorium of the English language. \$69.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034; (310) 841-2790*

## The Family Circus Video Workshop

The Family Circus Video Workshop is designed to help you create your best videos ever. Based on the nationally syndicated Family Circus comic strip, the Video Workshop allows you to tap the full potential of your CDTV, camcorder and VCR to customize and enhance your own home videos—both new and old. Add the humor of this comic family with the Video Illustrator, featuring hundreds of full color Family Circus comics. Each and every panel can be recorded onto your home videos, directly from your CDTV. The comics have been specially chosen to introduce every family occasion—Mother's Day, Halloween, birthdays, and more. Design and compose your own home movie title screens, with your choice of typeface and background graphics, with the Custom Title Lab, for use with or without The Family Circus comic art. Use the Sound Studio to produce dozens of easy-to-use sound effects, all ready to dub. Improve your video skills in minutes with the 10 Commandments of Better Home Videos, an illustrated 'how to' segment. The Video Workshop is released in English, with German, Italian, Spanish, French, and Japanese versions to follow. \$79.95  
*Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040; (215) 675-5000*

## The Fred Fish Collection CD ROM

The CD ROM contains the entire 700+ disk collection of freely distributable software compiled by Fred Fish. The collection is organized by disk, making it possible to locate any file using existing indices to the collection. The disc also contains a high speed utility for producing Fish disks from the CD ROM in two minutes or less. The disc is updated every four months at a cost of \$29.95. Subscriptions available. Compatible with all ISO9660 CD ROM drives, Commodore's L690 CD ROM, and the CDTV keyboard, mouse, and RGB monitor recommended. Workbench 2.0 compatible. Disc is preconfigured for PARNET using the CDTV/A570. \$74.95  
*HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406; (414) 632-3766*

## The Fred Fish Collection OnLine CD ROM

The CD ROM contains the entire 750+ disk collection of freely distributable software compiled by Fred Fish. The collection has been compressed in LHARC format both by disk and program. Text files are included describing the collection. The disk is designed for use on BBS systems based on any platform. The disc is presetup for use as a PARNET node when used with CDTV or A570. Path and file names conform to MS-DOS standards. Updated every four months. Subscriptions available. Special offer if purchased with The Fred Fish Collection on CD ROM. Workbench 2.0 compatible. \$69.95  
*HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406; (414) 632-3766*

## The Illustrated Holy Bible

The Illustrated Holy Bible contains the complete text of the Old and New Testaments together with full color illustrations. Using the CDTV remote controller, the user can select any book or chapter of the Bible within seconds using a novel graphical display. A unique slide show option allows events in the Bible to be located simply by looking for the illustrations. Features include easy-to-use graphical display, complete text of Old and New Testament, full-color illustrations, powerful instant search facilities, and bookmark facility. \$49. \$29.99. \$49.00  
*Animated Pixels, Albemarle House, Osborne Rd., Southsea, Hants, PO5 3LB United Kingdom; (011) 4470-529-1866*

## The New Basics Electronic Cookbook

The Silver Palate library of recipes—1800 strong—drawn from a set of three books, have sold in aggregate over 4.5 million copies. The recipes and the informed asides of the two well-known authors, Shirlee Rosso and Sheila Lukins, are accessible through a simple screen presentation. These are designed to allow you to choose recipes by the specific food ingredients they employ. You can

select recipes for an appropriate meal-time or special occasion. Richly enhanced with full-color photos of over 450 ingredients, with voice-overs by the authors. \$59.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034; (310) 841-2790*

## The New Grolier Electronic Encyclopedia

Take the definitive encyclopedia text—Grolier's Academic American Encyclopedia. Add the multimedia elements of historical pictures, detailed maps, colorful illustrations, life-like sound all stored on a single CD. Access it via the CDTV remote control and you will have the most versatile house reference tool yet. This disc makes the use of an encyclopedia a totally new, fun-filled experience for the entire family. \$395.00  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## The Night Before Christmas

A father witnesses the arrival of St. Nicholas, who with his dimples and 'a little round belly' fills childrens' stockings before returning to the night. As with any Discis book, you can ask it to read your favorite passages, explain or pronounce unfamiliar words, and even identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$39.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

## The Paper Bag Princess

Once upon a time a beautiful princess and a handsome prince lived in a castle. Suddenly the castle is destroyed by a fierce dragon, the prince is carried away, and the princess is left with only a paper bag to wear. This story has all the elements of a traditional fairy tale but with a contemporary twist—the princess is the heroine. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

## The Tale of Benjamin Bunny

Benjamin Bunny and his cousin Peter Rabbit visit Mr. McGregor's garden to retrieve Peter's clothes—left there on a previous visit. Their expedition is going well—until they are trapped by a nasty cat. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

## The Tale of Peter Rabbit

This is the classic tale of naughty Peter Rabbit, written and illustrated by Beatrix Potter. Follow Peter as mean Mr. McGregor chases him around the garden, into a gooseberry net, and even through a window. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$54.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

## The Terminator

Set in present day Los Angeles, The Terminator is the story of an unstoppable cyborg sent back through time from a nightmare future where machines rule the earth to destroy the mother of the one man who might yet save mankind. \$59.95  
*Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300*

## Thomas' Snowsuit

Children and adults—especially those who have tried to get feisty kids into clothes they don't want to wear—will appreciate the story of Thomas' Snowsuit. Watch how everyone tries to get Thomas into his detested new snowsuit, and see how they all end up wearing it instead! As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9; (416) 250-6537*

## Time Table of Business, Politics and Media

Time Table of Business, Politics and Media is an exploration title devoted to the energies invested in the acquisition of wealth, power, and knowledge over man's history. It boasts 6,000 stories, thousands of quotes, images, reproduced documents, and a rich environment of multi-media effects. It contains animated maps showing where every event occurred, scanned images of the key documents in history, and an array of additional effects including audio. Material on the crisis in the Persian Gulf makes this an especially valuable disc to add to your collection. \$59.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034; (310) 841-2790*

## Time Table of Science and Innovation

An exploration of the history of science and technology, boasting 6,250 stories, thousands of graphics, and a rich environment of multimedia effects. Includes an animated map showing where every event occurs, a visual liftoff from the surface of the earth showing the altitude of aviation and space events, and a host of other similarly exciting effects. Audio presentation is included for key events. All entries are cross-referenced by topic. You can follow your own paths of interest through this immense body of knowledge, using the timeline and 'hot word' interaction. \$59.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034; (310) 841-2790*

## Time Table of the Arts and Entertainment

This latest addition to the Time Table Series contains over 4,000 original stories that start with the first cave paintings and finish with today's computerized choreography and animation. Multimedia effects include museum references, pictures, portraits, quotes, and even music from some of the world's greatest composers. Keyword and hot word searches allow you to quickly jump from subject to subject. \$59.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034; (310) 841-2790*

## The Connoisseur Fine Art Collection

A collection of 500 works of fine art by over 100 artists, with informative text on each painting, sculpture, period, and artist. Select works from nine periods: Classical Greece and Rome, Early Renaissance, The Quattrocento, Northern Renaissance, High Renaissance, Baroque, 18th Century, The Romantics, and The Impressionists; or from a list of artists. Ten classical music pieces can be selected to enhance the viewing experience. The whole presentation or a particular piece may be viewed automatically—just sit back and enjoy. Inquire about shipping. \$49.95  
*Lascalles Productions, 401 Lascalles St, PO Box 959, Hastings, New Zealand; (011) 64-6-878-9652*

## Town with No Name

Once upon a time, in the west, on the edge of an

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

arid desert stood the Town with No Name. The Hole in the Head gang had been running pretty wild, shooting up the place and terrorizing the neighborhood. When the ring-leader's kid brother took on the silent stranger who rode in at sunrise, he bit off more than he could chew. The first of the notorious outlaws bit the dust. Now Evil Ebe and his gang, Massive Jake, Wildcard Mcvee, and Bad Bad Bart, had it in for the Town with No Name and all the peace-loving folk living there. Only the Lone Stranger stood between them. Works with any 1MB Amiga and A570. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114*

## Trivial Pursuit

Trivial Pursuit comes to life with full color digitized pictures, superb animated graphics, stereo music and special sound effects accompanying 2000 of the most trivial and irrelevant questions. The questions are spoken by well known celebrities; amazing photographs accompany each question—but don't be fooled, they may not provide the answer; intriguing sound and music questions—classic, pop, and jazz. Pure fun and enjoyment for all ages and players.  
*Domark, Dist. by Accolade, 5300 Stevens Creek Blvd, San Jose, CA 95129, U.K. address in Vendor list; (415) 513-8929*

## Ultimate Basketball

Brings the fast-paced excitement of the court into your living room in this 5-on-5 multimedia basketball simulation. You can join in the action on the floor, coach from the sidelines, do a little of both, and even set the game to play itself. With a halftime show and cheerleaders as part of the action, this is one game you won't want to miss. \$49.95  
*Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040; (215) 675-5000*

## Videostream

A partial screen motion video production system which will produce frame accurate lip synced digital video from any video deck supporting the Sony S9 Protocol (e.g., BVU 9850s). Files are created automatically after you have set in and out points. Comprises software and controller. VAXI files may be utilized within Interplay CDTV or Interplay Amiga productions. NTSC/PAL compatible. 1MB RAM and hard disk required. £1900.  
*Optonica Ltd., 1 The Terrace, High Street, Luttworth, Leicestershire, England LE17 6BA; (011) 4445-555-8282*

## Wayne Gretzky Hockey-2

Wayne Gretzky Hockey-2 simulates every aspect of the game from penalties and power plays to sudden death overtime and instant replays. Create your own players. Make up your own teams, load and save them, or use any of the special teams provided. Set each player's level of performance at any of 11 skill categories. Customized options allow you to control the dual game speed, multiple difficulty levels, practice time, adjustable period lengths and more. With Wayne Gretzky Hockey-2, you control any player, coach from the bench, or let Wayne coach while you watch the action from the stands. Overhead, real-time graphics let you experience the finesse of a feather pass, the thrill of a last second save, or the impact of the bone-crunching body check. \$59.95  
*Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850; (301) 926-8300*

## Women In Motion

On-Line is proud to present Women In Motion, an encyclopedia of movement. These historic photographs are one of the great monuments of 19th Century photography and have never been superseded. This product gives a unique insight into the moving form. You can examine each frame of animation, print it out, or load it into an art package and work with it. Contains nudity—parental guidance suggested. Ideal for artists and film buffs. Will work on any 1MB Amiga and A570. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England; (011) 4481-558-6114*

## World Vista Atlas

World Vista is the first multimedia world atlas incorporating full color, fully featured maps, photographic images, high quality audio, and text. World Vista includes high definition maps from Rand McNally, over 1,000 professionally-photographed images, music from the Smithsonian Institution, and examples of over 60 foreign languages with on-screen translation. \$79.95  
*Applied Optical Media Corp., 1450 East Boot Rd., #400, West Chester, PA 19380; (215) 429-3701*

## Wrath of the Demon

Wrath of the Demon combines state of the art multi-level parallax scrolling with spectacular graphics, animation and playability to bring you what is sure to be one of this years hottest graphic adventures. You are on a quest to rid the kingdom of an evil Demon and his minions, rescue the princess and restore honor to your King. Your quest will lead you through caves, swamps, temples, and castles before reaching your ultimate challenge...the Demon himself. Wrath of the Demon contains over 3MB of graphics data, 600 screens of action, 1400 frames of animation, more than 100 colors on screen and over 100 monsters, some larger than half the screen. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9; (416) 731-4175*

## ◆ CDTV ACCESSORIES ◆

### AirMouse Remote Control

Two-button point-and-pick remote mouse for controlling interactive video presentations. No wires. Battery operated. User can be up to ten meters from the large monitor, or projection screen. Replaces the computer mouse or CDTV remote control. Requires AmigaDOS 1.3 or later. Available for NTSC. \$595.00  
*Selectech, Ltd., 30 Mountain View Drive, Colchester, VT 05446; (802) 655-9600*

### AnaMouse

Circuits and Software's Anamouse analog joystick adapter allows you to use most IBM-style analog joysticks with A500, A2000, and A3000 as an alternative to the Amiga mouse. Anamouse and support software is available now. \$19.95  
*Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281; (404) 389-3875*

### Brick-ette

The Brick-ette is a hardware device which allows CDTV owners to hook up any wired mouse/trackball and joystick which would normally be used with the A500/1000/2000/3000. Features real-time mouse and joystick operation, dual fire button compatible, three-speed selectable rapid fire, two selectable mouse modes, and 4-foot molded cable. Sub-miniature design with complete 8-bit micro-processor built in. Simple installation—plugs into Remote port. One-year warranty. Call for free brochure. \$49.95  
*Top Secret Device, P.O. Box 4592, Lexington, KY 40544; (606) 254-4706*

### CD1200 Trackball Controller

The Trackball controller increases the speed and control for fast interactive multimedia titles. With a trackball mounted in a weighted base and dual joystick connectors, the Trackball Controller is ideal for fast-moving programs that require instant decision-making. You can also plug in your favorite joystick and use it to operate your CDTV player. Commodore's Trackball Controller operates by either infrared remote control or by the plug-in cable provided. \$129.99  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### CD1300 Video Genlock Cards

The CDTV Genlock Cards let you combine CDTV visuals with video from a videocamera, videotape, or live television, and record the combined signal to a VCR. The Genlock mode is switchable between Video-Only, Combined (CDTV + video), or CDTV-Only. It can be controlled by the standard

CDTV remote controller. Commodore's Genlock gives you instant control for many home and industrial video uses. Available in NTSC (CD 1300). \$249.99

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### CD1400 CD Caddies

Set of two caddies to hold and protect CDTV Multimedia, CD-ROM, and audio CD titles. \$14.99  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### CD1500-CDTV Professional Pack

Computer upgrade kit for the CDTV player. Includes keyboard, floppy disk drive, mouse, and Appetizer software. \$249.99  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### CDKC-1000 Keyboard Connector

Use a standard Amiga keyboard on your CDTV or use an XT-enhanced keyboard with the KA-1 Keyboard Adapter. Quality components, lifetime warranty. Can be used with CDTV, A2000/A3000 series keyboard, or XT-enhanced keyboard with KA-1 adapter. Call for free brochure. \$19.95  
*Top Secret Device, P.O. Box 4592, Lexington, KY 40544; (606) 254-4706*

### CDTV Laser Disk Storage Box

This high quality, lockable storage box holds 30 compact disks. The boxes stack both vertically and horizontally, and interlock as well. They also come with keys and with colored dividers to separate your different subjects. Sold in case of six. \$20.00  
*S & L Computer Services, 5115 Via Veranada, Long Beach, CA 90805-6525; (310) 422-8226*

### Keyboard Adapter Cable

Circuits and Software's CDTV Keyboard Adapter Cable allows you to connect any A2000 or A3000 series keyboard to Commodore's CDTV interactive multimedia machine. The six-foot cable is available now. \$19.95  
*Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281; (404) 389-3875*

### Personal Memory Cards

The CDTV Personal Memory Cards are a convenient way to save information for later use. Selected CDTV titles make use of the Personal Memory Card for saving position, scores, selected pictures, text, and other functions. Available in 64K (CD1401) for \$129.99 and 256K (CD1405) for \$349.99.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

### SCSI-TV

A hard disk interface for the CDTV which fits in rear expansion slot and provides a DB-25 SCSI interface connector and a hard disk disable switch. SCSI-TV is a DMA controller that supports autobooting, the Rigid Disk Block standard, and SCSI-Direct commands. \$150.00  
*Amitrix Development, 7011 93 Avenue, Edmonton, Alberta T6B 0W7, Canada; (403) 929-8459*

### VidDISC

With VidDISC, Creotec can provide high quality interactive CD-ROM multimedia applications. Creotec will handle all aspects of the production of your interactive multimedia application, or provide you with an on-site license for the VidDISC authoring system so that you can do the production in-house. Creotec's services include content analysis and instructional design, script writing and talent, video/audio production, compact disc replication, periodic application updates and application specific programming. Areas of application include virtual reality training, information, kiosks, services procedure referencing, POS, POI and education. Requires A4000, 3.0, 5Mb RAM, hard drive.  
*CREOTEC Corporation, 122 W. Carpenter Fwy, #440 LB17, Irving, TX 75039; (214) 717-1272*

# Accessories & Services

## ◆ ACCESSORIES & SERVICES GENERAL ◆

### 12-inch Interactive Laser CheckDiscs

Accessories and Services/Laserdisc Production. Amigo provides production of laser checkdisc to CAV standard from one inch or D2 tape source with 48-hour turn around. \$350.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*

### 3.5-inch Diskette Box

This high quality, lockable diskette box holds 80 diskettes. Stackable both vertically and horizontally. The boxes come with four colored dividers and two keys and clips to lock them together. Sold in case of eight. \$10.00  
*S & L Computer Services, 5115 Via Veranada, Long Beach, CA 90805-6525; (310) 422-8226*

### AmiTote 2000

Designed for the A2000 series CPU/toaster CPUs. Will accommodate mouse, keyboard, and power cable. Pocket on outside front for magazines/papers. Shoulder strap also supplied. Not intended to be a hard case substitute. \$99.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205; (509) 325-0115*

### AmiTote 3000

Designed for A3000 desktop CPUs. Will accommodate mouse, keyboard, and power cable. Convenient outside pocket for magazines/papers. Shoulder strap included. Not intended to be a hard case substitute. \$109.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205; (509) 325-0115*

### AmiTote 500

The AmiTote 500 is targeted at the Amiga user on the go. The case will accommodate the CPU, power supply, mouse, and two slim profile 3.5-inch floppy drives. On the outside there's a pocket for magazines, papers, etc. \$89.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205; (509) 325-0115*

### AmiTote 600

Designed for the A600 series of Amiga computers. Available December 1992. \$89.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205; (509) 325-0115*

### AmiTote Baby

Designed to accommodate CDTV units as well as associated remote keypad and power cable. Pocket on front to hold several CDs. Not intended as a hard case substitute. \$89.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205; (509) 325-0115*

### AmiTote Monitor

Designed to comfortably accommodate the 1084/1950 monitors plus display cords and power cable. Shoulder strap optional. Not intended to be a hard case substitute. \$89.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205; (509) 325-0115*

### Amiga Embroidered Crest

This beautiful 6-color 3.75-inch x 4.75-inch embroidered crest on black with black ribbing includes the original Amiga checkmark, Amiga text, and boing ball with twist! Just the thing for your coat, duffle bag, or computer carrying case. Durable fabric, good workmanship. Discounts for orders of 50 or more for users groups; user group initials can be added on request. Artist-designed on the Amiga. \$6.95 plus \$1 shipping and handling. \$6.95

*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

### BOING! Jacket

Highest quality black satin flight jacket. Embroidered with BOING! ball logo on the back. Optional name (\$10 extra) embroidered on the front. \$125.00  
*BOING, 1881 Ellwell Drive, Milpitas, CA 95035; (408) 262-1469*

### Banx 5.25-Inch Diskette Storage Box

This high quality, lockable diskette storage box holds 180 5.25-inch disks. Also holds 130 3.5-inch disks. These boxes also stack vertically and horizontally and will interlock. They come with four colored dividers, keys, and clips. Sold in case of six. \$15.00  
*S & L Computer Services, 5115 Via Veranada, Long Beach, CA 90805-6525; (310) 422-8226*

### Cables & Switch Boxes

Specialize in custom monitor cable configurations, switch box set ups, cables for Amiga, FlickerFixer, FrameGrabber, Freeze Frame, Amiga to Digital monitors. Super VHS cables, parallel and serial cables, Toaster/Digiview cables, etc.  
*Redmond Cable Corp, 17371 A1 NE 67th St., Redmond, WA 98052; (206) 882-2009 West*

### CanDo T-Shirt

Software for your software. High-quality yellow cotton t-shirts with colorful CanDo logo emblazoned on front and back. Available in Small, Medium, Large, X-Large, XX-Large. \$16.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231; (214) 340-4991*

### Interactive Laser CAV Masterdiscs

Accessories and Services/Laserdisc Production. Amigo provides production of laser masterdisc to CAV standard from one inch or D2 tape source within 72-hour turnaround. \$2400 12-inch single-sided CAV Master. \$11 each 12-inch replicated single-sided disc.  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731; (516) 757-7334*

### Portal UUCP Connection

Portal's UUCP Connection allows Amiga users to receive direct feeds of electronic mail and Usenet news. Email access enables direct connections to hundreds of thousands of computer users on thousands of public and private networks. The Usenet is a distributed conferencing system used by 1.5 million people all over the world to share information on thousands of technical and non-technical topics. With UUCP protocols, the user's computer can be set to call Portal at specific intervals for exchange of data. The user can then read mail and news from his own system, offline. Usenet feeds can be tailored to specific newsgroups according to the subscriber's interests. Optional support services allow the user to get telephone help with installation and maintenance of the UUCP connection. Amiga 500, 1000, 2x00, 3000. Requires 512K (more recommended), 1 floppy drive (hard drive recommended), AmigaDOS 1.3 or later, and a modem (1200 baud min, 9600 recommended). \$34.95/month plus \$1.95/hour basic service.  
*Portal Communications Co., 20863 Stevens Creek Blvd., Ste. 200, Cupertino, CA 95014; (408) 973-9111*

### Static Release Cloth

The S/R Cloth completely neutralizes surface static on virtually any surface. Gentle, durable, non-toxic, no silicones, completely safe for essentially all working environments. Has been tested on

hundreds of video monitors, computers and peripherals, and in animation and film studios. \$6.95  
*S/R Laboratories, 31200 Via Colinas, Ste 210, Westlake Village, CA 91361; (818) 991-9955*

### The Portal Online System™

The Portal Online System is a full-service online system featuring the critically acclaimed Amiga Zone. Amiga users can access nightly live conferences with Amiga industry experts and personalities, thousands of downloadable files, contests and prize giveaways, vast message bases, and vendor support areas. Portal is the only national service that offers the entire Fred Fish disk collection online. 1.6 gigabytes have been reserved exclusively for Amiga files. Other Portal features include global Internet email, z-modem file transfers, and access to the Usenet conferencing system at no additional charge. Portal can be reached by direct dial, local Telenet nodes, or PCPursuit. Accessible from over 70 countries using Public Data Networks of the host countries. Requirements: Any Amiga running any communications software. Also requires a modem (300, 1200, 2400, 9600 baud), and a telephone line. \$13.95/month, \$19.95 Startup fee.  
*Portal Communications Co., 20863 Stevens Creek Blvd., Ste. 200, Cupertino, CA 95014; (408) 973-9111*

### Video Transfer Service-Video Production

Full .75-inch production service. Transfer Amiga graphics to videotape: .75-inch, VHS, S-VHS, Beta, M-II. Send self-addressed, stamped envelope for rate sheet. NTSC only.  
*Pixel Vision, 7415 N. Winchester, Chicago, IL 60626; (312) 761-6620*

### 14-Piece Tool Kit

Contains all tools needed to service personal computers and peripherals. Saves you time and money on repairs. All metal tools are demagnetized; all chip tools are anti-static. All screwdrivers chrome-plated steel and chip resistant. Comes in 6/16 x 5 7/8 x 1 1/2 inch plastic case.  
*Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614; (312) 327-9200*

## ◆ ACCESSORIES/WORKSTATIONS ◆

### Adjustable Copy Clip With Line Guide

Speeds data entry and eliminates eye strain. For both personal and laptop computers; mounts on either side of monitor. Holds sheets 8 1/2-inches wide or smaller; line guide allows you to read document one line at a time. Removable, curved arm with swivel-ball action keeps documents from blowing from passing breezes; allows for uninterrupted work. \$4.95  
*Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614; (312) 327-9200*

### Adjustable Foot Rest

For people who sit in one place for long periods of time. Has smooth, floating action that continually adjusts to body position to relieve lower back strain. Made in U.S. of grey ABS plastic; won't bend, crack, or warp. Textured surface keeps shoes from slipping; non-skid feet keep foot rest securely in place. \$29.95  
*Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614; (312) 327-9200*

### Back-Up

Simple sling prevents painful consequences of sitting slouched. Targets vulnerable lumbar area and provides adjustable support using the knees as an anchor point. For back pain sufferers who must sit for any length of time without proper support. Endorsed by World Chiropractic Alliance. U.S.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Accessories & Services

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

distributor: Nada Concepts. \$65 Australian.  
*Ergo-Works, P.O. Box 361, Wabroonga NSW, Australia; 011-61-2489-2151*

### Carpal Eez

Wrist rest designed to help prevent Carpal Tunnel Syndrome. Carpal Eez is adjustable to three different heights and fits securely up against (and under) the keyboard. Designed to elevate keyboard to the most comfortable angle. A soft, padded surface provides maximum comfort and the sturdy construction keeps Carpal Eez in place. \$27.95  
*Viziflex Seels, Inc., 16 E. Lafayette St., Hackensack, NJ 07601-6895; (201) 487-8080*

### Computer Coverup, Inc.

Computer Coverup, Inc. has added more than 200 new models to its wide line of attractive clear vinyl dust covers. For further information on Computer Coverup's dust covers and other products, contact the company.  
*Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614; (312) 327-9200*

### Computer Reference Wall

Composed of hinged, plexiglass panels that attach to side and top of monitor. Can be utilized for organizing notes, commands, schedules, and messages that are frequently needed for constant reference. Panels can also serve as 2-page copy holder (clip provided) that swings out of view when not in use. Jr. Computer Reference Wall available for applications where space is limited. \$29.95  
*Viziflex Seels, Inc., 16 E. Lafayette St., Hackensack, NJ 07601-6895; (201) 487-8080*

### Covergear

A new deluxe series of nylon dust covers that span virtually the entire range of computers, keyboards, printers, and monitors. Covergear is silver with coordinated blue piping. Features drawstring that secures and shapes cover snugly, a special built-in stuff sack that allows for neat, convenient storage. Water-resistant, stain-resistant, anti-static nylon. Contact company for price quote.  
*Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614; (312) 327-9200*

### Extension Keyboard Wrist Rest

AliMed's Extension Keyboard Wrist Rest can be used with those keyboards that come to the very edge of the desk or keyboard stand. An extension plate slips under the keyboard and is held in place by the supplied Velcro attachments. Tingling fingers, tired wrists, and associated pain can be eliminated with Keyboard Wrist Rests. Wrist Rests can help avoid wrist stress by holding the wrist in a more natural, strain-free position. Available in three sizes: 1-inch, 1 1/2-inch, and 2-inch. Also ask about Keyboard Wrist Rest™ (the original product), Mouse Wrist Rest™, Keypad Wrist Rest™, Notebook Computer Wrist Rest™, and Typewriter Wrist Rest™. \$29.95  
*AliMed, 297 High Street, Dedham, MA 02026; (800) 225-2610*

### Great Cover-Ups

Clear, frosty, high-quality, sewn custom dust covers for computers, printers, and most peripherals.  
*Great Cover-ups, P. O. Box 751, Oregon City, OR 97045; (503) 655-0602*

### Keyboard Kaddy

The Keyboard Kaddy can hold your keyboard securely on top of your monitor when you are not using the keyboard. Its strong and attractive smoky-colored plexiglass construction allows it to hold any size keyboard on top of any size monitor. \$14.95  
*Additional Ideas, Inc., 1083 McMillan St. NW, Atlanta, GA 30318; (404) 872-6151*

### Komfort Wrist Rest

The Komfort Wrist Rest is a two-piece assembly consisting of a base and adjustable foam support. The base is designed in molded high impact thermoplastic with four sets of tracks. The support cushion is bonded to a metal plate. The plate is then inserted into the tracks at the desired height. Quantity discounts available. \$35.00  
*JMJ Enterprises, 22855 Lake Forest Drive, Ste. E202, Lake Forest, CA 92630; (714) 472-4409*

### Mouse Wash 2500

A specially designed acrylic ball that has a texture design to grab the dirt and grime build-up on the rollers without scratching them. Needs no chemicals that may damage your mouse. \$7.95  
*T & L Products, 2645 Wilson Street, Carlsbad, CA 92008; (619) 729-4020*

### Mouse-Ease

Engineered especially for mouse driven computers, the Mouse-Ease is an ergonomically designed wrist support for those who perform with the mouse on a daily basis. It gives adequate support to the wrist while allowing you to maneuver the mouse with ease. Covered in a soft, washable fabric, the Mouse Ease is constructed with three foam inserts allowing for a high or low adjustment. For user convenience, its padded support attaches with velcro to a non-skid baseplate that simply slides under the mouse pad. \$24.95  
*GERED Corporation, 2401 N.E. Cornell Rd., #125, Hillsboro, OR 97124; (800) 852-8727*

### Mousetrap® Slim Line

A document stand for mouse-driven computers. It is designed to keep your mouse within quick, easy reach so you can keep your attention on the computer screen. The document stand resides over the mouse area to help minimize your work space. A unique copy gripper keeps your copy in place while the 4.5-inch base raises your copy to a more comfortable height. The document stand will also adjust up and down, and side to side. Designed to fit smaller mouse pads. \$23.95  
*GERED Corporation, 2401 N.E. Cornell Rd., #125, Hillsboro, OR 97124; (800) 852-8727*

### Non-Glare Full Spectrum Lights

Distributor of complete line of long-life, full spectrum (sunlight-simulating) incandescent, fluorescent, and halogen lights. Full spectrum lights relieve eye strain, fatigue, and SAD (seasonal depression), show true color and increase productivity. Bulbs fit into standard lamps and fixtures, and are available in all popular sizes and styles. Free catalog.  
*Westgate Enterprises, 2210 Wilshire Blvd., Ste. 612, Santa Monica, CA 90403-5800; (310) 477-5891*

### PANIC button

So when the phone won't stop ringing and the boss is in a bad mood, just push the Panic button. The bright red computer key is imprinted with the word 'Panic.' The button's adhesive backing allows it to mount easily on any computer or typewriter keyboard, so it will always be handy when the day reaches a frustrating level. Buttons are available for \$1.00 plus a self-addressed, stamped envelope. Great gag gift! \$1.00  
*Memory Makers, 3024 Haggin Street, Bellingham, WA 98226; (206) 734-9506*

### Rat-Pad!

A mouse pad that is 10-inch x 12-inch. Gives your mouse room to roam. \$11.95  
*T & L Products, 2645 Wilson Street, Carlsbad, CA 92008; (619) 729-4020*

### RoomMate Computer Monitor

Enjoy room-filing sound without room-filling equipment. These 6 x 9 x 6-inch speakers bring superb sound out of your Amiga. Includes a built-in amplifier, active equalization, and unique Bose HVC drivers. Plug RoomMate into your Amiga right

out of the box. People who use their Amiga for MIDI or voice synthesizers, music composition, multi-media presentations, or even serious game players, will appreciate the range and depth of sound. \$339.00

*Bose Corporation, The Mountain, Framingham, MA 01701-9168; (508) 879-7330*

### The Ergotron Design Station

Free-standing design station rescues valuable desk space. Place the CPU on the adjustable shelf, which can be adjusted six inches vertically. Suspend the monitor above the desk using the workstation's hydraulic Radial Arm, which provides 20° horizontal, 20° tilt, and 360° rotation. Models in 25-inch and 30-inch widths, and 64-inch, 70-inch and 78-inch heights.

*Ergotron, 3450 Yankee Drive, Suite 100, Eagan, MN 55121; (800) 888-8458*

### The Ergotron Workstation Suspended Radial Arm Computer

Workstation designed to save valuable work space by suspending the monitor and processor above the work surface. Provides shelf for the processor and a radial arm that suspends the monitor above the desktop. The pivoting arm lets the user adjust the monitor to any position and provides a six vertical adjustments, 20° tilt, and 360° rotation with the touch of a hand. Models in 25-inch and 30-inch widths, and 64-inch, 70-inch, 78-inch heights.

*Ergotron, 3450 Yankee Drive, Suite 100, Eagan, MN 55121; (800) 888-8458*

### Touch It Static Mats

This product is designed to protect computers, printers, and other sensitive electronic equipment from harmful static electric charges. The user simply touches the mat before touching the computer or peripherals and it dissipates any electric charges through its grounding cord instead of through the computer system. Touch It static mats come in four sizes, 10-inch x 20-inch, 18-inch x 18-inch, 18-inch x 24-inch, and 24-inch x 26-inch. They feature a non-skid mat that fits under any system and an eight-foot snap-on ground cord. Suggested retail price \$16.96 to \$29.95, depending on size of mat.

*Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614; (312) 327-9200*

### Type-Ease

Type-Ease is a wrist support specifically designed for those who perform long, tedious tasks at computer workstations and keyboards. This product can significantly reduce the symptoms associated with Carpal Tunnel Syndrome such as stress, strain, and fatigue. Covered in a soft, washable fabric, the wrist support is constructed with three foam inserts allowing for a high or low adjustment. For user convenience, Type-Ease attaches with velcro to a non-skid baseplate that simply slides under the keyboard. \$29.95  
*GERED Corporation, 2401 N.E. Cornell Rd., #125, Hillsboro, OR 97124; (800) 852-8727*

### Universal Joystick/Mouse Switch

Newest version is compact pushbutton switch. Allows two devices to share same port. Either device can be selected at the push of a button. Switches all nine lines, so it is safe to connect and disconnect devices with power on! \$29.95  
*Micro R & D, Inc., 721 O Street, PO Box 130, Loup City, NE 68853; (308) 745-1243*

### Video-Link

Remote control for VIVA II with ARExx interface. Add the capabilities of interactive video to your favorite software program. Video-Link provides control of laser disk players either through Workbench or ARExx interface. Extend AmigaVision and CanDo abilities to include control of consumer laser disk players. \$49.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

# Accessories & Services

## Viziflex Seels

Transparent, form-fitting covers that protect keyboards from liquid spills, dust, and other environmental contaminants. Designed to remain in place during keyboard operation. Continuous, 24-hour protection. \$25.95

*Viziflex Seels, Inc., 16 E. Lafayette St., Hackensack, NJ 07601-6895; (201) 487-8080*

## Wrist Support Line

**WRIST PAD**—\$11.95—is constructed of durable nylon and sponge rubber padding for comfort and support. Its non-skid surface stays in place letting hands rest naturally in the proper keying position. **WRIST RELIEF**—\$19.95—is a vinyl-covered, padded rest supported by durable styrene for stability and comfort. Specially designed feet prevent slippage. **WRIST RELIEF PLUS**—\$24.95—features a vinyl-covered padded rest that fits into a durable styrene tray. When a user places the keyboard on WRP, the hands rest naturally in the proper keying position. This deluxe version features specially designed rubber feet to prevent slippage during use.

*Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614; (312) 327-9200*

## WristMate

An elevated, cushioned support which helps align wrists to the computer keyboard. Computer operators can relax muscle tension in wrists, arms, shoulders and neck to ease the discomforts of repetitive motion tasks. \$49.95  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397; (800) 545-OCLI (6254)*

## ◆ SERVICES ◆

### 2D-3D Font Conversion Service

Custom conversion of Postscript Type 1 or Type 3, Compugraphic Intellifonts, and DR2D files to professional-quality objects for use with Lightwave 3D or Caligari. You must be licensed to use the font or drawing to be converted. 24-hour turn around. \$50.00

*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565; (510) 439-1580*

### Advanced Learning Center

Detailed, functional classes in computer studies which enables you to become proficient in a hands-on environment. The largely Amiga curriculum ranges from 'Basic Study of DOS' to 'Modeling in 3D Space.' The Amiga is the ALC's workhorse computer for artists, musicians, and scholars, due to its complete sound and graphics capabilities.

*Advanced Learning Center, 11020 Ventura Blvd, Ste E, Studio City, CA 91604; (818) 753-9799*

### Amiga Professional Services

GP Software provides custom software development, Amiga system installation and support, and multimedia, CDTV, and interactive videodisc project development by consultation. Custom courses on Amiga system maintenance, graphics, and desktop publishing also available by negotiation.  
*GP Software, 21 Aloomba Rd., ASHGROVE Queensland 4060, Australia; (011) 61-7366-1402*

### Amiga Training and Support

We offer a wide variety of services for the Amiga and Video Toaster systems. Everything from video graphics and animation production to training, consultation, and support services. Customized service, on-site training, and competitive pricing. Call for more details.

*Action Graphics, 4725 Dorsey Hall Dr., Ellicott City, MD 21043; (410) 992-0749*

### Amiga/Motorola Software Development Service

As the creators of Bravo Romeo Delta, marketed by Free Spirit Software, we are offering fixed-cost

software development services for the Commodore Amiga and Motorola microcontrollers (68HC11/16 and 680X0 families). We specialize in competitively priced software with documentation for time-critical applications. Whether you just need a complex algorithm or a full-blown application, fax or upload your requirements and receive a free estimate.

*Frankenstein Software, P.O. Box 138, New York, NY 10116-0138; Compuserve 71175, 1676*

## BIX

BIX is the online service for people who know computers. BIX hosts a growing number of special-interest exchanges—such as Amiga exchange, the meeting place of Amiga users and developers from around the world—and BIX is the official home of Commodore Amiga Developers. In addition to our Amiga coverage, you'll find BIX covers specific hardware and their applications, software, programming languages, and operating systems. A BIX subscription also gives you access to software libraries containing thousands of downloadable programs, an up-to-the-minute industry news service, the text of BYTE magazine before it's in print, private E-mail with binary-file capability, UNIX mail, and product-support conferences from more than 100 hardware and software vendors, and games and leisure activities. Subscription is for one year, billed \$13 per month (telecommunications not included).

*BIX, General Videotex Corporation, 1030 Massachusetts Ave., Cambridge, MA 02139; (800) 695-4775*

### Basement Recordings

Basement Recordings conducts workshops and seminars in digital media technology, desktop video, multimedia, music, and desktop publishing. All educational activities focus on Amiga computer systems. Workshops will continue throughout this year and 1993. Call for dates and locations.

*Basement Recordings, 348 E 51st St, Brooklyn, NY 11203; (718) 485-7120*

### CD-ROM's

Manufacture all types of CD-ROMs. Formats available: CDTV, DVI, CD-ROM, CD-ROM/XA, Mixed Mode.

*Disc Manufacturing, Inc., 1409 Foulk Rd., Ste 202, Wilmington, DE 19803; (800) 433-DISC*

### CREOTEC

CREOTEC is an interactive multimedia company that produces CD-ROM applications. Services include content analysis and instructional design, script writing, video/audio production, foreign language translation, and compact disc replication. CREOTEC uses VidDisc, an interactive multimedia applications environment, designed specifically for CDTV.

*CREOTEC, Office at Las Colinas, 122 W Carpenter Fwy, Ste 440, LB 17, Irving, TX 75039; (214) 717-1272*

### CanDo Quickie or Complex

CanDo Quickie or Complex design and programming services. For kiosk owners, developers, programmers, artists. Quick turnaround on small or large projects. Custom designing of audio-visual/multimedia databases for product presentation in 2- to 24-bit color. Wide variety of external device controls such as IR or serial port, CD, laserdisk, VHS players, slide projectors, lights, AV switches, etc. Source codes available in CanDo or AmigaVision for potential future expansion. NTSC. English/French/Spanish.

*Delta Graphics, 48 Dighton Street, Ste. 2, Brighton, MA 02135; (617) 254-1506*

### Component Retrieval Service

Our patented component retrieval process and complete component refurbishment facility make it possible for you to reliably recover components

from PC Boards even if the parts are soldered. The cost of this service can be as low as 17 cents per component with a minimum order of \$50.

*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283; (602) 820-5330*

### Educational Consulting

As both an Amiga educational dealer and a teacher using Amigas, Mr. Horan offers educational training, consulting and products from kindergarten through Grade 12.

*Mr. Horan's Computer Lab, 12975 US 60,, Middletown St. Mall, Louisville, KY 40243; (502) 244-9595*

## GENie

GENie is one of the world's largest consumer online services. You can access a huge library of Amiga files on GENie, along with bulletin boards and files for almost any subject. Also features many multiplayer games, chatting with other members, educational services, travel and information. The Amiga area is one of the fastest-growing on all of GENie. Rates: \$4.95 per month, 100 services, no charge, rest \$6.00/hour.

*GENie (General Electric Information Services), 401 North Washington, Rockville, MD 20850; (800) 638-9636*

### Gateway Amiga Club

Provides maps of dealers in greater St. Louis, Missouri, area to stores handling Amiga products. Also sells 'I Love My Amiga' bumper stickers for \$2.50 each. Send check to GAC Bumper Sticker. Authorized clubs and dealers write for discount.

*Gateway Amiga Club, Inc., P.O. Box 811, Bridgeton, MO 63044; (314) 739-5181*

### LA ONLINE Free-Access Service

LA ONLINE offers many of the same national shopping services that you would find on CompuServe or Prodigy. Amiga software and hardware available from COMPUTER Express. (Also other electronic products, CDs, clothing, books, gift items.)

*LA Online, 1332 Hermosa Ave, Ste 7, Hermosa, CA 90254; (310) 372-9364*

### Multimedia—Interactive

KBI Systems, Multimedia Technologies Group, specializes in the design and development of affordable Interactive Multimedia Systems for training, presentations, information kiosks, displays (trade shows and exhibits), interactive board rooms, conference centers, and training centers for industry/education. Featuring Amiga and all its products (e.g., Scala, InfoChannel) and our laser disc and CD mastering abilities, combined with products from over 300 video, audio, and computer equipment manufacturers (we also design and manufacture specialty control interfaces), KBI Systems, Multimedia Technologies always develops the exact systems for your specific needs—on time.

*KBI Systems, 177 Mill Lane, Mountainside, NJ 07092; (800) 524-0610*

### National Amiga Network System

BBS and information center for all aspects of the Amiga. Twenty-four hour service with on-line technical help and access open to all.

*Micro-Telecomm, P.O. Box 50269, San Diego, CA 92105*

### SMG Extended Warranty

The SMG provides service and support for Commodore Amiga systems, and the most popular third-party products. Under an exclusive agreement with Commodore, SMG programs supplement CommodoreExpress Gold Service. Offerings include Part Only, Priority Depot, and On Site Service. Warranty coverage can be extended for up to two years.

*Service Management Group, The, 10 Columbia Corporate Center, 10400 Little Patuxent Pkwy, Ste 440, Columbia, MD 21044; (410) 992-9975*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Accessories & Services

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## STL File Conversion

This service converts Amiga- or Macintosh-generated surface modeling files to the .STL file format needed to make plastic parts by stereolithography or selective laser sintering (SLS). Any modeling software that can generate a scene or object file that can be input to the Amiga version of Sculpt 4D can be your tool. Your data file is converted to the format and media for the stereolithography or SLS vendor. Price to convert files on 3.5-inch diskette is \$75. Parts can also be made. Also see Read4D under CAD/UTILITIES. Call for details: \$75.00  
*DFW Prototypes, 1920 Briarcrest Lane, Arlington, TX 76012; (817) 275-2044*

## The Amiga Exchange

At last there is a place where you can get cash for your used computers and equipment—in only 24 hours! The Amiga Exchange buys used Amigas and peripherals for the best price anywhere. This newly established company refurbishes used Amigas and peripherals and resells them at discount prices. All equipment purchased through The Amiga Exchange carries a 30-day warranty. Buy, sell, trade, or upgrade your Amiga system at great savings. We look forward to discussing your personal computer needs and answering any questions you may have.  
*Amiga Exchange of Connecticut, 150 Young Street, East Hampton, CT 06424; (203) 267-7583*

## Toaster to Tape

Render and transfer Video Toaster LightWave 3D, ToasterPaint, and other Amiga IFF images to professional videotape formats. A 50MHz 68030 system renders/records your images frame by frame directly to broadcast-quality VTRs, avoiding degradation caused by laser disk. Choice of 3/4 inch (SP or reg), Betacam (SP or reg), 1 inch, or D2 formats. Send rendered IFF files or framestores on Syquest cartridges. Send LightWave scene, object, and image files by disk or modem for rendering. Rendering \$5/hr, recording \$1.25/frame. Large jobs discounted.  
*Biographic Corporation, The, 1000 Dundas St East, Ste 6, Toronto, Ontario M4M 1R7, Canada; (416) 465-2056*

## VADPAC VADPAC

Cable TV public access video system. Modular machine code programming allows us to offer custom advertising display systems at a reduced cost. Get display effects like wipes, fades, blits, and dissolves. Text effects like scrolling bars, vertical scrolls, using any font or color. Stand alone operation or HOT remote systems over null modem or phone lines. Control operations 'on the fly' or use simple script files to execute timed events. Call for more information and pricing.  
*VADPAC Systems, 1503 Lang Slocum Rd., Wheelersburg, OH 45694; (614) 776-7020*

## Video Editing

PVE brings video editing to the masses. By employing the power of cutting edge desktop video equipment we are able to provide affordable video editing without sacrificing quality. Another popular product is our video photo—your photos on TV with music, titles, and toaster transitions. Everyone loves it, a perfect gift. Call for free demo tape.  
*Post Video Effect, 155 E. 88th St, Ste 2-G, New York, NY 10128; (212) 348-7243*

## Video Production Services

Chicagoland's newest video production studio and producer of the TV show 'Hot Toast From Coast to Coast' is focusing on the Video Toaster/Amiga combination to give you the best, yet most affordable, video production. We specialize in TV commercials, industrials, educational/training tapes, product marketing, music videos/demos, 3-D animation, and special effects.  
*F/X Productions/VideoComp, Inc., 444 N. Orleans St., Ste 250, Chicago, IL 60610; (312) 708-TOASTER*

## Video Systems—Pre/Post Design & Integration

KBI Systems, Industrial Video Group, designs, develops, and installs complete video systems for pre/post production (ENG, Mobile, Studio) as well as unattended automated video recording for corporate conference rooms, board rooms, training centers, and education and special event videographers. Utilizing the Amiga and products from NewTek, Digital Creations, GVP, Digital Processing, Cardinal, Sony, Panasonic, Pioneer, Getner, JBL, and others, KBI Systems, Industrial Group provides you with the exact video system to meet your needs with quality and service.  
*KBI Systems, 177 Mill Lane, Mountainside, NJ 07092; (800) 524-0610*

## X-TENSION

X-TENSION is a technical support service contract that provides telephone support for X-CAD products by a professional staff of CAD operators. X-TENSION provides access to Public Domain and shareware utility disks and other customized XCAD products. Includes one-year subscription to X-PRESS. \$72.00  
*Grafix Computing, 6680 Wiltzie Road, Panama, NY 14767; (716) 782-2468*

## 3-Dimensional Video Service

3-Dimensions creates high quality computer animation as well as 3-D objects for Lightwave. 3-Dimensions is equipped with state-of-the-art Amiga/Video Toaster workstations. We generate full 24-bit (16.7 million color) images that can then be recorded onto videotape.  
*3-Dimensions, 1845 Doris Dr, Menlo Park, CA 94025; (415) 599-4782*

## 35mm Color Slides and Imaging Services

We provide quality slides and photographs of any Amiga IFF/HAM/EHB image file. We also have been the only service to support any Amiga 24-bit IFF/RGB file format (i.e. Toaster, Imagine, Turbo Silver, Sculpt, etc.). We can also transfer AutoCAD/GIF/TGA/Mac files and videotape to slides and photographs.  
*Action Graphics, 4725 Dorsey Hall Dr., Ellicott City, MD 21043; (410) 992-0749*

## ♦ DESKTOP PRESENTATION ♦

### 35mm Slides

35mm slides of your Amiga artwork. Converts all IFF files distortion-free with raster lines filled. HAM files also converted. Jet printouts from Sharp JX730 from IFF files also available. Custom graphics and illustration. Send for price list.  
*Tru-Image, P. O. Box 660, Cooper Station, New York, NY 10276; (212) 777-7609*

### 4x5 and 35mm Color Film Transfer Service

Ultra High Resolution 4x5 color transparencies and 35mm color slides of Amiga IFF, HAM, and 24-bit IFF Bitmap pictures, and photographic-quality color Postscript transparencies and slides created with structured drawing and/or color desktop publishing programs. Over 4000-line resolution for sharp, clean images with no scanlines, no curvature distortion, and brilliant color. FREE samples on request.  
*Hammond Photographic Services, 11280 Washington Place, Culver City, CA 90230; (310) 390-3010*

### ALL PRO Film/Video Productions

Computer graphics and animation services. Single frame animation, high resolution slides, and 1200 and 2400 DPI Postscript. ALL PRO also offers full video production and post-production facilities and services. Featuring digital effects, video editing and transfers, location crews, titling, sub titling, 2-D and 3-D animation, paint box, real time animation, and full graphic design support.  
*ALL PRO Film/Video Productions, 124 West 60th Street, New York, NY 10023; (212) 563-1567*

## Amiga Animation and Graphics Services

AniGraphics provides full service animation and computer graphics development for entertainment and education software developers. Services range from early conceptual development to finalizes screens, performed by a staff of artists with years of experience in the software industry. AniGraphics has developed proprietary tools for high quality, inexpensive conversions between systems and resolutions. Our order placement system permits you to get precisely the images you want, quickly and on budget.

*AniGraphics, N9476 County SC, Ixonia, WI 53036; (414) 261-8992*

## Amiga File Transfer to Video Tape

High quality in transferring Amiga files to videotape. Recorded in component with color correction for legal video values onto BetacamSP. Dubs to 1-inch tape, 3/4 U-matic + SP VHS and S-VHS. 8MN and H18

*Philadelphita Video Lab, Inc., 338 Winding Way, Merion, PA 19066; (215) 664-4955 serv*

## Amiga Graphic Services

Laser prints (color or black & white) typesetting from Linotronic 330 to paper or film. Also color separations, color scanning, 35mm slides and print production; service by mail, UPS, FedEx or modem to our 24-hour bulletin board. Call (214) 702-9119.  
*Metropolitan Computer Products, 4372 Spring Valley Road, Dallas, TX 75244; (214) 702-9119*

## Amiga-Based Animation and Graphics

Have assembled wide array of equipment: Toaster, Firecracker, 24-bit Epson scanner, personal SFC, Panasonic 7750 video deck, more. Substantial hard drive space and rendering power for handling short pieces as well as more ambitious projects involving several minutes of animation. Have developed motion picture film recorder that allows output in VistaVision format at resolutions up to 4K. Besides motion picture applications, recorder allows transfer to any video format, including HDTV.

*Anti Gravity Workshop, 456 Lincoln Blvd, Santa Monica, CA 90402; (310) 393-9747*

## Applied Creative Arts

A complete graphics service bureau offering downloading services for computer artists, researchers, video producers, designers, and anyone else interested in high-quality output at reasonable prices. Services include 35mm color slides, Vu-Graphs, photographic prints, high-resolution digitizing, video transfers, and custom services. All work is done in-house.

*Applied Creative Arts, 55 Grace St., Malden, MA 02148; (617) 322-4571*

## CeV Design Services

Enhance existing images with various software packages. Amiga IFF PostScript files from disk (AFGA Matrix Forte) to 24-bit slide (\$13-\$15 per slide), also Canon TLC PostScript (400 dpi), IFF files designed (AFGA Matrix Forte), color and black and white; hardcopy from QMS Colorscript printer (300 dpi), digitized or designed images to Amiga disk, video animation, art makeup, and design (complex graphics). Laser service (300 dpi) in color or black-and-white, overheads also possible. Art production and transfer service of slides. Conversions and video disk support available. Spinning logo animations at reasonable cost to disk or tape from \$5 per frame. HP Paintjet prints color as low as \$4 per print and color glossy 1800 dpi prints (\$30) or \$40 for two 8 x 10s. 4 x 5 8K line NEGS (70) \$80 for two. Toaster and Firecracker slides a specialty.  
*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## Custom Animation

By using scanners, digitizers, and accelerators, Electric Crayon Studio can quickly and economically create animations which you can use to

# Accessories & Services

increase the value of your video productions. Logo treatments, character animation, and custom animation. Call for prices.

*Electric Crayon Studios, 3624 North 64th Street, Milwaukee, WI 53216; (414) 444-9981*

## Desktop Video Graphics Service

Master Mode, Ltd., a production house, is dedicated to the demands of desktop video aficionados. Services include digitizing of still photos, 2-D objects and live video, as well as video-titling and transfers of graphics to video. Master Mode is a source of 3-D animation.

*Master Mode, Ltd., P.O. Box 583, Geneva, IL 60134; (708) 208-0440*

## Digital Collage

Every month, Digital Collage features 10 new texture tiles (300x300 HAM), five 16-color full overscan backdrops, and 5-10 DeluxePaint motion clips, all on two disks! For as little as \$5/month, you can have both Digital Collage disks mailed to your business or studio. Also includes monthly articles with tips, suggestions, and tutorials for creatively using the images. 6 months: \$30 (\$5/issue, 90 images); 12 months: \$57 (\$4.75/issue, 180 images); 24 months: \$100 (\$4.17/issue, 360 images).

*DRC Sequential Graphics, 57 East 400 North #9, Provo, UT 84606-2987; (801) 373-9579*

## GIFTED SCANS

We offer the best in Amiga 24-bit scanning. Resolutions up to 600 dots per inch. Maximum document size is 8.5 x 13.5. All file formats supported. 8-bit gray and 1-bit line art scanning also available. Prices start at \$10. Call for information.

*Gifted Artists, 3216 Summit Ave., Baltimore, MD 21234; (410) 347-8395 bef. 5*

## Julie Petersen: Computer Graphics and Design Skills

Julie Petersen, BFA, M.Ed., offers computer graphics and design skills, including illustrations, animation, and 2- and 3-D graphics. Credits include 1986 World's Fair, Canada Council Commissions, Awards of Excellence in New York and Canada for science and health-related computer illustrations and animations.

*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## Photographic Hardcopy from Amiga Files

Slides, transparencies, black-and-white and color prints with no scan lines, full-file resolution, and correct color reproduction.

*Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066; (215) 664-4955 serv*

## Programming & Training Services

Programming services available to customize your Amiga system to your specific needs. Learn video post production and multimedia presentation techniques from our videographers. \$60/hour.

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079; (603) 898-3545*

## Prosumer Slide

Slides with no scan lines, full-file resolution and correct color reproduction. Same quality as commercial service, but delivery in five days.

*Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066; (215) 664-4955 serv*

## Raster Image

The Raster Image offers a full range of consulting and programming services in the video field, from animation and special effects graphics to application development, as well as training and hardware/software purchasing advice. Over four years experience in video coupled with over 10 years of computer experience assure professional results. 2-D and 3-D animations, from simple corporate logos to complex landscape modeling, are avail-

able at reasonable hourly rates. Only the finest equipment is used, guaranteeing broadcast-quality results in all formats.

*The Raster Image, P.O. Box 12383, Denver, CO 80212-0383; (303) 831-8352*

## Resource Library Disc-2 Audio

This is a collection of more than 440MB of popular public domain, shareware, and freeware audio programs. The CD-ROM disc contains several hundred applications, many accompanied with complete source code. All areas of interest are covered: AU, CD, Converters, Editors, Effects, Generators, MIDI, Mixers, VOC, WAV. The ISO 9660 format can be read by all computer systems. \$24.95

*Knowledge Media, 436 Nunneley, Paradise, CA 95969; (916) 872-3826*

## Resource Library Disc-3 Multimedia

This is a collection of more than 400MB of popular public domain, shareware, and freeware audio programs. The CD-ROM disc contains several hundred applications, many accompanied with complete source code. All areas of interest are covered: HyperText Authoring Systems, MultiMedia Authoring Systems, Presentation Applications, Media Converters, Media Editors, Content Libraries of topic-related audio and graphics, background images and music, and graphic templates. The ISO 9660 standard can be read by all popular computer systems. \$49.95

*Knowledge Media, 436 Nunneley, Paradise, CA 95969; (916) 872-3826*

## Resource Library Disk 1-Graphics

This is a collection of more than 426MB of popular public domain, shareware, and freeware graphics programs. The CD-ROM disc contains several hundred applications of more than 16,000 files, many accompanied with complete source code. All graphic areas of interest are covered: Animation, Converters, Drawing, Fractal, GIF, Image, JPEG, Mapping, Paint, Plotting, Raytracing, Viewers. The ISO 9600 format disc can be read by all popular computers. \$24.95

*Knowledge Media, 436 Nunneley, Paradise, CA 95969; (916) 872-3826*

## Services to CDTV Developers

Optonica offers a full range of software development and multimedia production services including scanning and digitizing, CDTV, CDXL, and VAXL motion video production, audio sampling, graphic design, software development, multimedia productions from authoring to finished product for consumer, education, professional, and educational markets, and, finally, consulting. Rate sheet provided on application.

*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA; (011) 4445-555-8282*

## Slide Service

Film recording service. All Amiga graphic modes, including 24 bit now supported. Prices are \$5 per slide; \$9 per slide for 24-bit graphics. Order minimum of three. NTSC.

*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130; (904) 985-1103*

## Video Services

Amiga Slides—We offer Amiga IFF (including hires, HAM, and 24-bit) output to 35mm slides at 4,000 lpi. Get professional results with an average two-day turnaround and low cost. Amiga Scanning—We offer 24-bit file scanning (11 x 17 at up to 300 dpi) we can give you the 24-bit IFF file, or process it to a standard IFF, TIFF, PICT2, RGB, Rendition, GIF, or PCX. Amiga Desktop Publishing Output—Postscript laser prints (color or black and white) 300 dpi. Linotronic output to paper or film 1270 or 2540 dpi. Also color separations and color

keys available. All services provided in house. Frame by Frame Amiga Animation to Tape—Professionally transfer your Amiga animations (both 24-bit and regular Amiga resolutions) frame by frame to SuperVHS or VHS videotape. We also offer complete A/B roll editing suite in S-VHS or VHS format. Call for pricing and how to get your material to us.

*Metropolitan Computer Products, 4372 Spring Valley Road, Dallas, TX 75244; (214) 702-9119*

## Visual Vision

Video Production services for Amiga users (NTSC). Includes Pro-S-VHS A/B Roll editing with Y/C special effects as well as toaster effects, edit suite rental, Pro-single frame recording, graphic and logo designing, computer animations, image capture and enhancement. Desktop publishing service also available. Amiga VAR consultant. We offer below competitive pricing, and quick turnaround service.

*Visual Vision Video & Graphic Productions, RR1, Lot 27, Con 8, Seventh Line #13351, Georgetown, Ontario, Canada L7G 4S4; (416) 873-4959*

## CLASSIC CONCEPTS

We offer technical writing, proofreading, editing, and professional desktop publishing services. Our manuals have received rave reviews. We can help improve the content and presentation of your software documentation and packaging. We also edit and localize documentation translated from other languages. Design services and programming of software utilities offered on an individual basis. Price list available on request.

*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786; (206) 733-8342*

## Giraffe-X Desktop Services

Full service graphic design and production, desktop publishing service bureau, PostScript laser printing, L-330 Linotronic type setting, digital color separations, 24-bit color scanning, video digitizing, color slide production and output from standard Amiga IFF image files. Data conversions IBM<>Amiga<>Macintosh. Serving the Amiga community since 1987.

*Giraffe-X Desktop Publishing, 1826 Divisadero Street, San Francisco, CA 94115; (415) 567-5780*

## ◆ DESKTOP PUBLISHING ◆

### Midwest Desktop

Midwest Desktop is a writing and documentation service specializing in technical and industrial companies. We can help you with manuals, newsletters, press releases, spec sheets, and product reviews. Other services include on-line documentation, proofreading, editing, and beta testing. We have been using Amigas since 1986 and currently have an A3000 in-house.

*Midwest Desktop, P.O. Box 26506, Green Bay, WI 54303-1146; (414) 434-9779*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Books & Tapes

## ◆ BOOKS & TAPES GENERAL ◆

### Denny Atkin's Best Amiga Tips and Secrets

Whether it's adding a CD-ROM drive, getting the best performance from a game, or learning how to transfer data from the Amiga to a PC, Amiga users will find this book invaluable. Written in a clear and concise style, Denny Atkin's Best Amiga Tips and Secrets has the answers to the questions Amiga users need most. \$19.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408; (919) 275-9809*

## ◆ AUDIO TAPES ◆

### Amiga Sings!

A 90-minute music cassette tape that demonstrates the creative use of the Amiga as a compositional and performance tool for musicians. Some of the works utilize the Amiga's internal voices and a library of digitized sounds, while others address the MIDI device developed by Marquis Music of Toronto—the MIDIA Musicbox. The tape is accompanied by a sheet that details the various Amiga software used, and the motivation behind the compositions. \$15.00  
*EyeFulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

### Amiga Sings! Again

Another 90-minute cassette of compositions that take advantage of the Amiga and a collection of software as the sequencing heart of the system. In addition to some selections utilizing internal voices, the music demonstrates the capacities of the MIDI 'music box' and a Yamaha TG33 sound module. All compositions are original and were recorded professionally; detailed info sheet completes the package. Available 3/1/92 \$15.00  
*EyeFulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443; (802) 453-4293*

### Dungeon Master-The Album

Original sound track, composed and performed as background music for the game Dungeon Master. Set the mood for Dungeon Master play by putting this album on your home CD player. Available in compact disk format only. Works with CDTV. \$12.95  
*FTL Games, 6160 Lusk Blvd. C-102, San Diego, CA 92121; (619) 453-5711*

### I-Koen Design Guide to PageStream 2

The complete reference guide to PageStream publishing. Reference charts for fill styles, halftone screens, line styles, and object effects at 300 and 1200 dpi. Samples of PageStream fonts and standard PostScript fonts. Character set comparison charts for Soft-Logik, PostScript, and Compugraphic fonts. Keyboard reference charts for Dingbats and Symbol fonts. Text size, style, tracking, and leading samples. Reverse type, baseline shift, and other text effects. Plus: a guide to writing macros and keyboard equivalents. Price: \$6.95 plus 5% shipping and handling (10% outside USA and Canada). \$6.95  
*I-Koen Design, P.O. Box 20135, St Louis, MO 63123*

## ◆ BOOK/DESKTOP PUBLISHING ◆

### Vidia Guide to PageStream

An idea book, sample book, and quick reference—all in one complete guide for desktop publishing using PageStream. Samples of PageStream and Compugraphic typefaces. Halftone screens, pattern fills, line styles, and weights at 300 and 1200 dpi. Examples of dot-matrix output, rotations,

slants, twist, and linespacing. Keyboard shortcuts and toolbox hints. \$7.95

*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266; (310) 379-7139*

### Vidia Guide to Professional Page

Complete quick reference for desktop publishing using Professional Page. Alphabet samples for all 35 standard Adobe typefaces; alphabet samples for Compugraphic typefaces; output samples of halftone fills and pattern fills at 300 and 1200dpi; line patterns; line and halftone combinations. Text samples for visualizing type and line spacing such as type size charts; line spacing; tracking; reverse type; baseline shifts, and passages of text in different type sizes. Also formatting codes and a keyboard command reference for Professional Page. \$7.95  
*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266; (310) 379-7139*

## ◆ BOOK/DOS ◆

### AmigaDOS Manual, Third Edition

This 352-page manual covers all commands and functions of AmigaDOS, up to the latest release 2.04. The book has three parts: The User's Manual, The Developer's Manual, and The Technical Reference Manual. Each part is designed to help users at their appropriate level of expertise. Readers will learn about the subtle differences between the CLI and the Shell, the startup sequence, the script directory, directory and open library calls, complete error codes, messages, and glossary. Material for more advanced users includes using ALink, command line syntax, MAP and XREF output, overlaying, and reference guide to symbols. \$24.95  
*Bantam Electronic Publishing, 666 5th Ave., New York, NY 10103; (800) 223-6834 X9479*

### AmigaDOS Reference Guide, Fourth Edition

This comprehensive guide covers everything both beginners and advanced Amiga users need to exploit the power of AmigaDOS. Covers both AmigaDOS 1.3, 2.0 and the new release 3.0. \$22.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408; (919) 275-9809*

### Fast Guide to Amiga CLI

A comprehensive AmigaDOS 2.0 book designed for quick reference. Covers every option of every AmigaDOS command, for both 2.0 and 1.3, and points out differences between the two versions. Examples accompanying each description cover various forms of the command and enable the user to get started very quickly, just by copying the command and modifying it to his application. Also includes sections on scripts, script directives, devices, filenames, pattern matching, redirection, piping, and Shell commands. \$8.95  
*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266; (310) 379-7139*

### Fast Guide to Workbench

A quick reference to the Amiga operating system, especially Workbench, the Amiga's graphic user interface. Covers Preferences, system commands, utilities, tools, Workbench menus, HDBackup, IconEdit, Workbench gadgets, and fonts. Also includes a fast start tutorial designed to get the complete novice up and running with Workbench in less than 30 minutes. \$8.95  
*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266; (310) 379-7139*

### Learn AmigaDOS All By Yourself!

Self-tutoring course in AmigaDOS. Covers all versions 1.0 to 1.3. We assume you know nothing about AmigaDOS to begin this course. Learn how

to delete, copy, obtain directory listings, edit, execute, reliable, rename, search, sort, set up multiple CLI windows, use the built-in RAM disk, direct output to printer, etc.! A shell version of AmigaDOS also available for Workbench 1.3 owners. (Canadian address: 6 Pioneer Place, Brantford, Ont, N3R 7G7) \$24.95  
*Brantford Educational Services, 222 Portage Road, P.O.Box 1327, Lewiston, NY 14092; (519) 756-6534*

## ◆ BOOK/ENTERTAINMENT ◆

### A Flight Simulator Odyssey

Visit historic sites and relive major events at the scene—Washington crossing the Delaware, the Wright brothers at Kitty Hawk, the Invasion of Normandy. In the choicest locations of the simulator world, you'll execute more than three dozen straight-in and pattern airport approaches and tackle over 30 wild-times-and-shenanigans scenarios. For those new to the flight simulator world, a Basic Flying Guide is included. 224 pages. \$14.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408; (919) 275-9809*

### Adventure Game Hint Books

When all else fails, you can always get help from a full line of hint books for the following popular Amiga games: King's Quest I-V; Space Quest I, II, and III; and Police Quest I and II. Also, The Black Cauldron, Gold Rush, Manhunter: New York, Manhunter: San Francisco, and all three Leisure Suit Larry games are available. \$9.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

### Chaos Strikes Back! Adventurer's Handbook

Handbook has 100 pages of clues, spells, puzzle solutions, and maps to help you through Chaos Strikes Back! This is the authority on Chaos. \$12.95  
*FTL Games, 6160 Lusk Blvd. C-102, San Diego, CA 92121; (619) 453-5711*

### Corish's Computer Games Guide 3rd Edition

Helps on just about any game you care to name on a wide variety of computer formats. Covers backdoor codes left by the programmers, cheats and tips to get past your opponents, how to skip levels, pokes for infinite lives, time, etc., more. Hints and full solutions for games from publishers such as Infocom, Lucasfilm, Psygnosis, Sierra On-Line, more. Some of the games covered: Oh No! More Lemmings, Atomino, Elvira, Mega Lo Mania, Le Chuck's Revenge—more than 1,250 in all. \$14.95.  
*Kuma Computers Ltd., 12 Horseshoe Park, Pangbourne, Berks, RG8 7JW, England; (011) 4473-484-4335*

### Dungeon Master Adventurer's Handbook

All of the maps, clues, spells, and puzzle solutions you need to complete Dungeon Master. \$12.95  
*FTL Games, 6160 Lusk Blvd. C-102, San Diego, CA 92121; (619) 453-5711*

### Earl Weaver Baseball: Hall of Fame League

Kevin Schafer, sports writer and baseball fan, has written this book which gives you the inside scoop on building your own teams by choosing the greatest players of all time. Besides learning how to play Version II of Earl Weaver Baseball, you'll find biographies and stats on your favorite players and managers, and instructions for setting up a league, selecting a ballpark, and much more. \$19.95  
*Osborne/McGraw-Hill, 2600 Tenth Street, Berkeley, CA 94710-9938; (800) 227-0900*

# Books & Tapes

## F-19 Stealth Air Combat by Pete Bonanni

Learn advanced stealth flying from a master aviator in F-19 Stealth Air Combat—a guide to MicroProse combat flight simulator. Written by fighter pilot Peter A. Bonanni, an expert in air-to-air and air-to-ground weapons and tactics, the book offers hints for success in the game, as well as a fascinating look at the history and future of stealth technology. \$14.95

*Osborne/McGraw-Hill, 2600 Tenth Street, Berkeley, CA 94710-9938; (800) 227-0900*

## Falcon 3.0 Air Combat by Pete Bonanni and Bernard Yee

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|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Books & Tapes

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

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|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Books & Tapes

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

code examples amidst discussion of the issues involved in using machine code for various purposes. Subjects covered in over 400 pages include cooperation with the System software, custom chips, and the C language. All popular Amiga assemblers are supported by the many code examples. \$60.00  
*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

## Mastering Amiga-System Programming

Serious Amiga programmers need to use the Amiga's operating system to write legal, portable, and efficient programs. But it's not easy! Paul Overaa shares his experience in this introduction to system programming in the C language. The author keeps it specific and presents skeleton programs which are fully documented so that they can be followed by the newcomer to Amiga programming. The larger programs are fully fledged examples which can serve as templates for the reader's own ideas as confidence is gained. \$60.00  
*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

## Program Design Techniques for the Amiga

The difficulties that users are now facing as they program the more complex 16-bit machines can only be solved by careful program design. This book shows you how to do that, includes hints on writing portable code, Warnier diagrams, user interface and software engineering topics, numerous examples and listings. \$16.95.  
*Kuma Computers Ltd., 12 Horseshoe Park, Pangbourne, Berks, RG8 7JW, England; (011) 4473-484-4335*

## Programmer's Guide to ARExx (with disk)

A 228-page manual and disk designed to allow easy access to the power of ARExx. Includes information on how to make effective use of ARExx, how to conform to development standards, and how to interface applications to ARExx environment. Not available through Commodore Authorized Resellers. Send check/money order to Commodore Business Machines, Dept. C, at listed address. U.S. S&H \$3, Canada/Europe via air \$15. Add local sales tax for PA, VA, CA, TN. Allow 4-6 weeks delivery. \$20.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Programmer's Guide To The Amiga

A guided hands-on tour of the Amiga system, for AmigaDOS through Version 1.2. Includes examples and ready-to-use routines. \$24.95  
*Sybex Computer Books, 2021 Challenger Drive #100, Alameda, CA 95401; (415) 523-8233*

## Source/Object Diskette for Programmer's Guide To The Amiga

Source and object code from the Programmer's Guide To The Amiga (SYBEX). Available formats: Lattice/Manx C, TDI Modula-2, or Benchmark Modula-2. Please specify format when ordering. DATAPATH offers special pricing on book/diskette combinations. Write for details. \$15.00  
*DATAPATH, P.O. Box 1828, Los Gatos, CA 95031*

## Standard BASIC Programming with True BASIC

By Catlin. \$30.00  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## Structured BASIC Programming

By Kemeny and Kurtz. \$33.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## Structured Programming with True BASIC

By Goldstein, Moore, and Welcher. \$30.00  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## The ARExx Cookbook

This tutorial guide by Amazing Computing writer Merrill Callaway brings less experienced Amiga users quickly up to speed on ARExx and provides really useful ARExx programs for real world applications. Step-by-step approach, useful programs used as examples, clear presentation of ARExx controlling PostScript, thorough references for all ARExx instructions, functions, and application program commands. This book makes ARExx easy! \$49.90 for Deluxe Set—Book plus two disks. \$5 U.S. shipping, \$15 foreign shipping. \$49.90  
*Whitestone, 511-A Girard Blvd SE, Albuquerque, NM 87106; (505) 268-0678*

## The True BASIC Primer

General programming textbook by William S. Davis. \$21.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## True BASIC—A Complete Manual

Programming manual by Simpson. \$14.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784; (800) TR-BASIC*

## Visionary Programmer's Handbook

John Olsen, renowned adventure game enthusiast, passes along his many tips and strategies for creating adventure styles with Aegis Visionary. He begins with organizational suggestions for the beginning programmer as well as advanced programming routines for the seasoned hacker. Includes disk with source code for a sample game that can be adapted for customized games. Requires Workbench 1.3 or higher, Kickstart 1.2 or higher, one disk drive, 512K RAM. \$29.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309; (310) 427-1227*  
**Please see display ad page 171.**

## 1988 Amiga Developers Conference Notes

A 400+ page manual and disk created for 1988 Amiga Developers Conference. Topics covered include: unique Amiga techniques, tips and tricks for programming in C, IFF, autoboot and Kickstart V1.3, V1.3 printer device and printer drivers, Amiga audio and sound, overscan, hi-resolution fonts, programming for 16-bit Amiga, A500 expansion cards, and more. Not available through Commodore Authorized Resellers. Send check or money order to Commodore Business Machines, Dept. C, at listed address. U.S. S&H \$3, Canada/Europe via air \$15. Add local sales tax for PA, VA, CA, TN. Allow 4-6 weeks delivery. \$75.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## ♦ BOOK/TECHNICAL ♦

## A500/A2000 Technical Reference Manual

A 275-page reference manual that describes the technical features of the A500 and A2000, as well as those features that differ from the A1000. Includes: system block diagrams, Amiga expansion, designing hardware for the Amiga expansion architecture, driver documentation, software for Amiga expansion, PC Bridgeboard and description of the PC/XT emulator for the Amiga 2000, BIOS entry points, custom chips, miscellaneous hardware information, clock/calendar registers, power budgets, A2000 PAL equations, and schematics. Not available through Commodore Authorized Resellers. Send check/money order to Commodore Business Machines, Dept. C, at listed address. U.S. S&H \$3, Canada/Europe via air \$15. Add local sales tax for PA, VA, CA, TN. Allow 4-6 weeks delivery. \$40.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Amiga 1000 Schematics and Expansion Specifications

Spiral-bound manual contains full A1000 schematics, timing diagrams, PAL equations, and documen-

tation for the auto-configuration process. Not available through Commodore Authorized Resellers. Send check/money order to Commodore Business Machines, Dept. C, at listed address. U.S. S&H \$3, Canada/Europe via air \$15. Add local sales tax for PA, VA, CA, TN. Allow 4-6 weeks delivery. \$20.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100*

## Amiga Diagnostician

Reference aid #7. Save money and downtime by promptly locating faulty chips on all A500 Amiga computers. The Amiga Diagnostician is a newly-released booklet and laminated chart allows the novice a simple approach in finding faulty chips in minutes through a sophisticated cross reference grid utilized successfully in the COMMODORE DIAGNOSTICIAN SERIES (over 20,000 sold). Amiga Diagnostician also contains sections on Basic Amiga theory, function of each chip including the new enhanced chip set, schematics block displays/layouts, input/output connector drawings, installation of upgrade chips. \$14.95  
*Grapevine Group, The, 3 Chestnut St., Suffern, NY 10901; (800) 292-7445*

## AmigaDOS Inside & Out Revised

AmigaDOS Inside & Out Revised covers the insides of AmigaDOS from internal design to practical applications. The book explains the Command Line Interface (CLI) in plain and simple English. It takes you step by step through the practical aspects of AmigaDOS. It will show you how to manage the Amiga's multitasking capabilities more effectively. There is also a quick reference section providing you with fast access to information you need immediately. Topics include detailed explanations of CLI commands and their functions, wildcards and command abbreviations, script files, what they are and how to write them. Workbench 1.3 commands explained and much more. Price includes companion disk. \$24.95  
*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512; (616) 698-0330*

## Compact Disc Handbook, 2nd Edition

Whether taken as a juicy read or a how-to, this handbook is a comprehensive and detailed reference. Ken C. Pohlmann continues his story of the CD from its origins to new formats such as the photo CD and mini disc. Book has new sections on CD optical and electronic principles as well as latest details of CD design, and new applications such as low-bit conversion, noise shaping, and data reduction. Hardcover: \$49.95, paperback: \$34.95.  
*A-R Editions, 801 Deming Way, Madison, WI 53717; (800) 736-0070 orders*

## MIDI: A Comprehensive Introduction

Joseph Rothstein's book provides a practical guide for readers seeking a thorough discussion of the basic principles of MIDI—the Musical Instrument Digital Interface. With this book, you will be able to evaluate, assemble, and manage a complex hardware/software MIDI system. Cloth cover. \$39.95  
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Jeff Pressing thoroughly explains the many aspects of playing the synthesizer, making this the first book to treat the electronic synthesizer as a true musical instrument. Combines detailed technical advice with instruction on live performance across many musical styles. Cloth cover. \$49.95  
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## Using ARExx on the Amiga

An authoritative guide to using the popular ARExx programming language on the Amiga. It's filled

# Books & Tapes

with tutorials, examples, programming code and an expanded appendix. It is written for new users and advanced programmers of AREXX by noted Amiga experts Chris Zamara and Nicks Sullivan. This guide includes a companion disk with AREXX examples already typed in to save time. 340 pages. \$34.95

*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512; (616) 698-0330*

## ◆ BOOKS/TUTORIALS ◆

### AMIKIT 1.3 An introduction to the Workbench and CLI

Navigate your way throughout the 1.3 Workbench and CLI. From the most basic to the most complex AmigaDOS commands, with AMIKIT 1.3 you will learn: complete usage of the 1.3 Workbench, the most useful CLI commands, how to modify and make batch files, how to use you modem to access bulletin boards and download software. The AMIKIT 1.3 includes manual and three disks, one with the latest version of Workbench 1.3 and two disks to practice the examples and with over 30 public domain programs, including: a word processor; a database; a spreadsheet; a directory utility; a disk cataloger; a communication program; a virus checker; games and more! All are fully documented. Additionally, once you become a registered AMIKIT 1.3 owner, you become eligible to receive free consultation. Requires Kickstart 1.3. \$39.95

*International Technologies, 2302 D. Ave. Ste. 203, National City, CA 91950; (619) 477-2024*

### AMIKIT 2.0 An introduction to the Workbench and CLI

The Amiga just got better with the new Version 2.0, so the AMIKIT got even better. From the most basic to the most complex AmigaDOS commands. With AMIKIT 2.0 you will learn: complete usage of the new Workbench, the most useful CLI commands, how to modify and make batch files, how to use your modem to access bulletin boards and download software, and how to program in AREXX. The AMIKIT 2.0 includes manual and three disks to practice the examples and with over 30 public domain programs, including: a word processor, a database; a spreadsheet; a directory utility; a disk cataloger; a communication program; a virus checker; games and more. All of them are fully documented. Additionally, once you become a registered AMIKIT 2.0 owner, you become eligible to receive free consultation and advice. Requires Kickstart and Workbench 2.0 files. \$49.95

*International Technologies, 2302 D. Ave. Ste. 203, National City, CA 91950; (619) 477-2024*

### Amiga Desktop Videography

A reference book for Commodore Amiga products and creative processes, including tutorial information for the Amiga enthusiast and professional. Hundreds of detailed listings and dozens of articles that will make your next Amiga production the best that it can be. Includes demo disk. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711; (302) 454-7946*

### How To Manual

A step-by-step manual for Turbo Silver users which will guide you through specially designed examples and reveal many of the tips and techniques used by experts. Extrusions, spinning, IFF wrapping, lighting set-ups, & much more. Over a hundred pages with pictures and illustrations. \$18.95

*Victor Osaka, 1341 Ocean Ave. #349, Santa Monica, CA 90401-1066; (310) 398-7649*

### Insider Guide to the A600

The Insider Guide to the Amiga A600 is a totally practical guide to using the computer; touching upon all the important aspects of the Workbench, utilities, Preferences, and AmigaDOS.

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

### Mark Smiddy's Little Blue Workbench 2 Book

Packed with tutorials covering all major Workbench 2 functions, and full of practical tips and examples. Includes extensive coverage of printers/printing, tables of printers and compatible drivers, a guide on what to do when things go wrong, and much more. £14.95.

*Kuma Computers Ltd., 12 Horseshoe Park, Pangbourne, Berks, RG8 7JW, England; (011) 4473-484-4335*

### Mark Smiddy's Little Red Workbench 1.3 Book

Packed with tutorials covering all major Workbench 1.3 functions, and full of practical tips and examples. Includes extensive coverage of printers/printing, tables of printers and compatible drivers, a guide on what to do when things go wrong, and much more. £14.95.

*Kuma Computers Ltd., 12 Horseshoe Park, Pangbourne, Berks, RG8 7JW, England; (011) 4473-484-4335*

### Mastering Amiga Beginners

This is the book for the growing number of novice computer users who turn to the Amiga as the natural computer for home entertainment and self-education. Author Phil South has built up a wide experience of beginners' requirements and the problems they encounter as one of the most widely read magazine authors on the Amiga. Now his vast knowledge has been distilled into 320 pages of sensible advice and exciting ideas for using the Amiga. \$40. £19.95. \$40.00

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

### Mastering Amiga-AMOS

A dynamic tour of the popular BASIC programming environment. AMOS' bells and whistles are fully described, and each aspect of writing code is illustrated with plenty of useful and entertaining examples. The AMOS add-ons such as 3-D and TOME are investigated together with the many public domain routines and full-fledged AMOS programs. \$40.00

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

### Mastering Amiga-AmigaDOS 2, Vol. One (Tutorial)

Volume One of the Mastering AmigaDOS dual volume is a complete tutorial to AmigaDOS, designed to help the beginner become the expert. From formatting a disk to multi-user operation, over 400 pages span every aspect of Amiga operation. The book is packed with DOS one-liners and scripts. Current version is updated for DOS 2.04/2.05. \$45.00

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

### Mastering Amiga-AmigaDOS 2, Vol. Two (Reference)

Volume Two of the Mastering AmigaDOS dual volume is a complete A to Z reference to DOS commands. Current version has full details up to version 2.04. The action of each command is explained, and examples to try are provided. Chapters on AmigaDOS error codes, viruses, the Interchange File Format (IFF), and the Mountlist complete this valuable guide. \$40.00

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

### Mastering Amiga-C

C is the natural language for Amiga programming, so this introduction, assuming no prior knowledge, is ideal for the Amiga novice who wants to investigate C for study or leisure. Every subject is introduced from scratch with plenty of short lines of code to demonstrate new concepts in a practical fashion. The beginner's guide to C. \$40.00

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

### Mastering Amiga-Workbench 2

Mastering Workbench 2.0 helps the reader discover the wealth of configuration, editing, and housekeeping utilities which Workbench 2.0 contains. It encourages users through its hands-on style to get the most from the bundled software on the Workbench, Extras, and AmigaFonts disks. Upgraders from Workbench 1.3 will also find this a quick way to catch up on the shortcuts and new features as they move up to a Workbench 2.0 environment with much to offer. \$40.00

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

### Mastering Amiga—AREXX

This latest guide to AREXX is from programming expert Paul Overaa, well known from his popular articles covering technical matters in the major Amiga magazines. The book is guaranteed to get the Amiga owner into the world of AREXX programming quickly, productively, and enjoyably. \$40.00

*Bruce Smith Books, P.O. Box 382, St. Albans, Herts AL2 3JD, England; 011-44-923-894-355*

## ◆ BOOK/VIDEO ◆

### Amiga Desktop Video Power

The Amiga Desktop Video Power book replaces Amiga Desktop Video Guide. It is one of the most thorough guides to video on the Amiga. The book has been updated and expanded to include new information about the latest advances in the desktop video market today. This includes extensive coverage of new products such as DCTV and the revolutionary Video Toaster from Newtek. It explains genlocks, digitizing, frame grabbers, hardware, software, and much more. 240 pages. \$29.95

*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512; (616) 698-0330*

### Amiga Desktop Video, 2nd Edition

A step-by-step instructional guide for both beginners and advanced artists to create their own desktop videos. A thorough description of how video and computer graphics work together. Includes important information about the new Video Toaster as well as eight pages of full color illustrations and up-to-date list of manufacturers and products. \$22.95

*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408; (919) 275-9809*

### Desktop Video for Profit

Designed to show entrepreneurs how easy it is to earn money by producing and marketing 'guerilla' videos using low-cost video equipment and a home computer. This one-hour video tape provides a realistic approach to turning a video hobby into a very profitable career. The video includes sections on what types of video to produce, how to choose a video topic, how to secure profits before producing a tape, how to find people who want to buy your video productions, and how much to charge for them. Also covered are sections on setting up a low cost studio, selecting the right video equipment, getting tapes duplicated at the best price, and other secrets of the pros. Simple but effective demonstrations allow viewers to learn quickly by seeing it done. Desktop Video for Profit features Bill Myers whose desktop video productions have sold over 12,000 copies using the techniques presented in this tape. This tape is available from Group M Video for \$30. Additional information about this tape is available by calling (501) 321-1845. \$30.00

*Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901; (501) 321-1845*

### Desktop Video: A Guide to Personal and Small Business Video Production

Covers all aspects of the desktop video business, from computers to video equipment, and how to put it all together. \$14.95

*Harcourt, Brace & Jovanovich, 465 South Lincoln Drive, Troy, MO 63379; (800) 543-1918*

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## ◆ New Product Listing

## ◆ AmigaDOS release 2 Compatible (Vendor Verified)

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# Books & Tapes

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## The Amiga Desktop Video Workbook

A practical, complete, plain-English guide to teach you everything about video with your Amiga. From animation, staging, sound mixing, scripting to single-frame recording, plus a thorough, how-to guide to opening and running your own video production business. Also comes with a floppy disk containing video-specific programs. \$34.95  
*MicroSearch, Inc., 9000 US-59 South, Ste 330, Houston, TX 77074; (713) 988-2819*

## ◆ VIDEOTAPES/TUTORIALS ◆

### Hot Toast From Coast to Coast

This popular TV show, seen in the Chicago area, is now available for everyone. Features Amiga/Video Toaster users showcasing video, graphics, animation, and music applications. Other popular segments include The Graphics Gallery, What's New, Dr. Duane (shares Amiga/Toaster tips and tricks), and The Developer's Spotlight. Show is distributed on VHS format; available individually or via monthly subscription. Other formats available. \$10.00  
*FX Productions/VideoComp, Inc., 444 N. Orleans St., Ste 250, Chicago, IL 60610; (312) 708-TOASTER*

### Sierra Video Catalogue

Preview Sierra's lineup of 1989-90 games in the comfort of your living room from a VHS cassette showing Sierra's best-selling line of entertainment software. With Sierra Video Catalogue, you can watch scenes from the latest Sierra games, complete with stereo soundtracks as played on a Roland MT-32 sound module. \$4.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614; (800) 326-6654 orders*

### A3000/Toaster

A3000 Toaster is a do it yourself video and 15-page booklet on how to install the Video toaster in the Amiga 3000. The instructional material leads the novice or technician step-by-step through two installation methods. The informative booklet follows the video form start to finish and includes other helpful information. \$35.00  
*L & N Productions, P.O. Box 391, Brownsville, CA 95919; (800) 676-4510*

### Advanced Techniques with DeluxePaint IV

The companion to The DeluxePaint Video Guide, this video demonstrates various tips and tricks for combining DPaint IV's different tools to achieve spectacular effects with professional results. The viewer is shown how to create effects such as 3D text, drop shadows, textures, color cycle animation, professional titling, and much more. Amiga artists can create high-quality graphic and animations quickly and easily after viewing the video. \$29.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278; (213) 542-2226*

### Amiga Encyclopedia On A Video

If you must know about the latest and best software developments, here they are presented on a convenient full-color and sound VHS video. How-to demos of art, music, games, desktop publishing, education, and business software. Fully Amiga-produced. \$39.95  
*VideoAdvantage, Dept.BG, 1229 Poplar Avenue, Mountainside, NJ 07092; (908) 233-8659*

### Amiga Graphics

This 54-minute video explores the advantages and disadvantages of the most popular paint programs. It illustrates interlace functions and instances when HAM should be used. It includes three intensive sessions on fonts, clip art, and digitizing. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458; (603) 924-0100*

### Amiga Instruction Course

Basic, beginner's guide to set-up and start-up of Amigas. Workbench and CLI instruction on a 90-minute VHS, Beta, or PAL. \$29.95  
*Clackamas Computers, 16140 SE. 82nd Dr., Clackamas, OR 97015; (503) 650-0379*

### Amiga Music for Video, Volume One

This 50+-minute videotape focuses on the use of the Amiga's internal voices in music and sound composition. Veteran electronic musician/producer Jaxon Crow gives step-by-step instructions on the use of Dr. T's Music Software's M & Music Mouse and on the use of SunRize Industries' Perfect Sound 3 and Audition 4. NTSC. \$29.95  
*Neon Tetra Productions, P.O. Box 876, Hot Springs National Park, AR 71902; (501) 321-1198*

### Animation 101

Animation 101 is a video cassette tutorial covering a complete course in real-time animation for video, based on the Amiga. It is for both students and professionals. It demonstrates cartoon and industrial type animation in high resolution, using basic software and relatively inexpensive hardware. The course is in two parts. Part one shows a variety of animation techniques, with a touch of humor. Part two goes into detail showing how the animations were made. Available in English, NTSC format. \$35.00  
*Myriad Visual Adventures, 1219 N.W. 79th Street, Oklahoma City, OK 73114; (405) 842-0818*

### Animation Video, Volume One

The original AmigaWorld animation video that will fascinate, entertain, and inspire viewers as it demonstrates the amazing capabilities of Amiga animation. 48 minutes. \$19.95  
*DevWare Video, 12520 Kirkham Court, Ste. 1-AC, Poway, CA 92064; (619) 679-2826*

### Animation Video, Volume Three

The best in state-of-the-art 2-D and 3-D animations from AmigaWorld's latest Animation Contest. Exciting, innovative animations from international Amiga animators using programs such as Imagine 2.0, LightWave 3D 2.0, DeluxePaint IV, Real 3D, and others. 45 minutes. Available January 1993. \$19.95  
*DevWare Video, 12520 Kirkham Court, Ste. 1-AC, Poway, CA 92064; (619) 679-2826*

### Animation Video, Volume Two

AmigaWorld's editors do it again. Exciting, innovative animated stories using programs such as LightWave 3D, Imagine, Sculpt Animate 4D, and DeluxePaint III. 90 minutes. \$24.95  
*DevWare Video, 12520 Kirkham Court, Ste. 1-AC, Poway, CA 92064; (619) 679-2826*

### DCTV—A Guided Tour

A comprehensive, 90-minute video tutorial which teaches you everything you need to know about DCTV. Includes segments on setting up the system, using DCTV as a digitizer, a 24-bit display device and a 24-bit paintbox. Includes HAM and DCTV image comparisons and much more. Features an exclusive interview with Digital Creations engineers discussing how DCTV came about and the future of the product. \$39.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

### DeluxePaint IV Video Guide

This introductory video takes the viewer on a guided tour through DeluxePaint IV. The video covers the new Menu Structure, Metamorphosis, Translucency, HAM color mode, the new Range requester, the LightTable, the Animation Control Panel, the advanced Palette Mixer, and more. A variety of Quick Tips, useful to any DeluxePaint artist, are also included. \$29.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278; (213) 542-2226*

## Designing and Building Your Desktop Video System

A 45-minute plunge into tomorrow's communications medium, desktop video. Geared toward the desktop video user who is knowledgeable in video but lacks a computer science background, and vice versa. This program gives a broad but comprehensive overview of the technology, as well as explaining how to integrate computer with video, allowing you to include titles, graphics and animations, and digital effects in your video productions. Explains critical aspects of the technologies involved in producing videos, and how they mesh with today's computer technology to produce programs with exotic, professional-looking effects for a tenth of the cost of traditional dedicated systems. NTSC. \$149.00  
*Video Technical Group, 7 River Bend, POB 515, Jasper, AR 72641; (501) 446-5120*

## Desktop Images Instructional Videotape for Toaster 2.0

A comprehensive instructional videotape series providing complete insight into the operation and capabilities of the Newtek Video Toaster 2.0 system. Hosted by Toaster expert Lee Stranahan. \$49.95  
*RAVE Video, 611 N. Orchard St., Burbank, CA 91506; (818) 841-8277*

## Desktop Video, Volume I

This 84-minute video covers the latest and hottest topics, including how to select a genlock; building a desktop video system; choosing and using a video camera; creating scripts, storyboards, and titles; adding sound and special effects, editing, and more. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458; (603) 924-0100*

## Desktop Video, Volume II

This advanced tape includes comparisons of tape formats including Hi-8 and Betacam, doing animation with DeluxePaint IV, 24-bit rendering, Virtual Reality, working with Lightwave, the Video Toaster, DCTV, and much more. (90 minutes.) NTSC/PAL. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458; (603) 924-0100*

## Director Tutorial Video

A step-by-step guide to using The Director. The tape takes the novice through AmigaDOS CLI commands, script editing, adding effects to slideshows, and page-flipping animation. The more experienced user will learn double buffering, effects with ANIMS, the sound module, the array, and advanced techniques. \$39.95  
*Right Answers, P. O. Box 3699, Torrance, CA 90510; (310) 325-1311*

## Easy Guide to Pro Video Gold

With the Easy Guide to Pro Video Gold video, you can master this program in less than one hour. This tutorial video covers it all—fonts, shadows, edges, transitions, quick backgrounds, color combinations, palette modification, genlocking, anti-aliasing...all the things you need to know to put together knockout graphics. Included with the tape is a special data disk packed with over 250 examples of Pro Video Gold graphic screens which, with minimal modification, can be used to create a demo video for your potential customers showing what kind of graphics you can create! Covers all versions of the Pro Video series, including the newest release, Pro Video Post. \$30.00  
*Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901; (501) 321-1845*

## Everything You Need To Know About PRO VIDEO GOLD

This detailed tutorial video will help you get started on mastering Pro Video Plus and Pro Video Gold. The video is for the beginner to easily conquer the

# Books & Tapes

basics for variable page layouts. You will learn how to manipulate color palettes, select variable fonts, italics, and develop a complete screen of text. This video will also give you the professional tricks that can save you hours of time, and save on hours of reading the always confusing instruction manual. With this video you can easily master the skills necessary to triumph to amazingly clear and graphic texts. Available in any format—1/2-inch, 3/4-inch, NTSC, PAL, SECAM. Vol. I or II: \$39.95, both Vols. I and II: \$59.95 \$59.95  
*Video Bookshelf, 2405 E. Mt. Hope, Lansing, MI 48910; (517) 485-6600*

## Gold Disk's All-In-One

Gold Disk's All-In-One, a complete package of six programs and a video tape tutorial designed to make setting up and using the Amiga 500 easy and productive. Word processing, painting, music creation, and three games make Gold Disk's All-In-One everything a new Amiga owner needs to get the most out of the Amiga. Will run on any Commodore Amiga 500, 1000, 2000, 2500, or 3000 with at least 512K of RAM. \$79.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1; (416) 602-4000*

## History of the Amiga

An intriguing and entertaining look at the origins of the Amiga computer. Listen to the initial trials and tribulations of Jay Miner, R.J. Mical, Caryn Mical, Carl Sassenrath, Dale Luck, Dave Needle, and the rest of the original Los Gatos gang. 45 minutes. \$19.95  
*DevWare Video, 12520 Kirkham Court, Ste. 1-AC, Poway, CA 92064; (619) 679-2826*

## Hot Rod Your Amiga

Hot Rod Your Amiga provides advice on how to achieve maximum power with your machine, whether you own a series 500, 2000, or 3000 Amiga. It teaches you how to expand memory internally and externally. It provides in-depth information on selecting and installing hard drives, memory boards, accelerators and more. \$24.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458; (603) 924-0100*

## How to Animate I

Relevant to novices and intermediate users alike. Pick up helpful hints and tips on using DeluxePaint IV from Joel Hagen and LightWave 3D from AmigaWorld's Louis Wallace. 45 minutes. \$24.95  
*DevWare Video, 12520 Kirkham Court, Ste. 1-AC, Poway, CA 92064; (619) 679-2826*

## How to Set Up a Low Budget Video Studio

This one-hour video takes you from the ground level of video equipment acquisition to a fully functional video studio. It tells what you do need and most importantly, what you don't need. Covers cameras, editing equipment, computer graphics, software, mixers and lighting. \$30.00  
*Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901; (501) 321-1845*

## Imagine—A Guided Tour

A 90-minute video tutorial. This guided tour of Imagine will teach you everything you need to know to unleash your imagination with Imagine. This thorough tutorial complements the program's manual and will help you master its possibilities. VHS format. \$39.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278; (310) 542-2226*

## Introduction to Workbench 2.0

This 2-hour educational videotape will familiarize Amiga owners with Workbench 2.0. Topics covered include Workbench 2.0 menu bar, preferences, Workbench 2.0 tools, demos, and other new 2.0 features, some not covered in the Commodore manual. Includes disk of public domain utility software and background music by accomplished acoustic musician Richard LaForge. NTSC compatible. Requires AmigaDOS 2.0. \$25. California residents: \$5 for tax, shipping, and handling. Other states: \$3 shipping and handling. \$25.00  
*RADICALifornia Video Productions, 10100 McVine Ave., Sunland, CA 91040-3359; (818) 251-3738*

◆ New Product Listing  
 ● AmigaDOS release 2 Compatible (Vendor Verified)

## Killer graphics

A new series of video tutorials has immersed under the banner Killer Graphics. The producers have targeted the Amiga platform and those interested in producing graphics for video. All videos in the series are project based, showing real projects in real time. Volume I will teach you to create dramatic logos and free hand art, Volume II will teach you to animate, 24-bit, 3D logos and record them to video tape in real time without single frame recorders. For additional information call Horizon West Productions.  
*Horizon West Productions, P.O. Box 2729, Corrales, NM 87048; (505) 891-1689*

## Me and My Amiga: An Introduction

Designed for the first-time user, it is an easy step-by-step guide to setting up and using your system. From assembling your equipment, to using and exploring the many exciting features of the workbench to finally playing the games and using the time-saving utilities included in the two-disk set, running 60 minutes. First in the Amiga Professional Tutorial series. Requires 1MB RAM, second disk drive. \$39.95  
*CP Productions, P.O. Box 103, St. Peters, PA 19470; (215) 265-3995*

## NewTek's Video Toaster

NewTek's Video Toaster videotape provides in-depth, comprehensive information on the Toaster's wide array of features and amazing capabilities. Topics covered include installing the Toaster in the Amiga 2000; adding and testing other essential equipment; digital video effects including flips, tumbles, mirrors, spins, splits, and titles. \$24.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458; (603) 924-0100*

## Taming the Wave: Exploring NewTek's LightWave 3D

The First LightWave 3D Training System. Two-hour videotape features animated examples of every major LightWave option. Two disks with useful 3-D paraphernalia, including an exclusive Broadcast Font 3D from Unili Graphics. Handbook provides tips, tricks, and charts. Written by national LightWave columnist David Hopkins with James Robinson. For Toaster 2.0. \$119.95  
*Mach Universe, 3019 Pico Blvd., Santa Monica, CA 90405; (310) 315-1750*

## TeleGraphics International Tape I: Video Graphics Techniques

The first tape in a three-tape instructional series produced totally with Amiga graphics, animations, titling, and effects by Amiga software and SuperGen genlock. Provides an excellent example of what can be done with the Amiga and video. Many examples of graphics, titling, animation, special effects, and wipes. Covers planning graphics for video applications, uses of training animations, diagrams, graphs, and charts. Sold individually, or as part of a three-tape set for \$49.95. \$19.95  
*TeleGraphics International, 502 Market Street, Wilmington, NC 28401; (919) 762-8028*

## TeleGraphics International Tape II: Color Cycling Animation

Instructional VHS videotape, approx. 45 minutes. Basics of color cycling animation using DeluxePaint. Begins with explanation of palette and simplest cycling techniques, advances to more sophisticated techniques, and complex animations. Includes Amiga Art Disk full of animations used in the tape plus other stock animated backgrounds to load and use yourself. The second tape in a three-tape series. Available individually, or as part of a three-tape set for \$49.95. \$19.95  
*TeleGraphics International, 502 Market Street, Wilmington, NC 28401; (919) 762-8028*

## TeleGraphics International Tape III: Digitizing For Effect

Instructional VHS videotape, approx. 50 minutes. Covers hook-up and set-up of Amiga and NewTek's Digi-View Digitizer and Digi-Droid. Explains how digitizing works, shows examples of cameras, various equipment hook-ups plus tips on lighting,

how to select good images, and applying digitized images to video production. Direct on-screen comparison of live image versus digitized HAM image and HAM versus IFF. Available individually, or as part of a three-tape set for \$49.95. \$19.95  
*TeleGraphics International, 502 Market Street, Wilmington, NC 28401; (919) 762-8028*

## TeleGraphics International Tape IV: Amiga Hard Drives: The Complete Guide

Covers available options when selecting and installing hard drives, including third-party, and Commodore controllers. Explains partitioning, formatting, and bridgeboard hard drive options too. Helps organize and customize your hard drive for your special needs and also gives tips and techniques. This tape comes with a free utility/set-up 3.5-inch disk. \$29.95  
*TeleGraphics International, 502 Market Street, Wilmington, NC 28401; (919) 762-8028*

## The Amiga Primer

This video provides step-by-step instructions covering the many features of the Amiga. Gain the full benefits that the Amiga has to offer with this simple, quick, and thorough 90-minute video. Includes information on all Amiga models, System 2.0, and AmigaVision. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458; (603) 924-0100*

## The Beginners Guide to Art Department Pro 2+, Volume 1

Video tutorial on getting started on Art Department Pro by ASDG. Familiarizes viewer with using the Text Visual Operator, Prefprinter Saver, Enhanced Palette Control, Compositing images, Backdrop Loader, Broadcast Limit Operator. Additionally, there are tutorials on the Negative Operator, Scaling Operator, Anti-aliasing text, Tile Visual Operator and Line Art Operator. Peripherals and magazine article source lists included. (VHS) \$39.95  
*Dreamworks Video Productions, 5037 East Keresan, Phoenix, AZ 85044; (602) 893-3988*  
**Please see our display ad page 120.**

## The Musical Amiga

The Musical Amiga teaches the Amiga user how to create a simple tune or more complex musical works. This 60-minute video contains intensive sessions on MIDI systems, including sequencing, editing and synthesizing. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458; (603) 924-0100*

## Toaster Crustacean Videos

Toaster Crustaceans produces the 'Upper Crust Video Library' from the Los Angeles Video Toaster User Group. Each video is VHS in format, and is 2 hours long. Topics include tips, demos, equipment explanations, and the latest Toaster applications. Vol. 7, the latest, includes demonstration of Toastmaster/Wipemaster and many other applications. \$34.95 each. \$10 sampler tape (2 hours) highlights Vols. 1-6. Rebate for two or more volumes. \$34.95  
*Toaster Crustaceans, 1730 Arcane St, Simi Valley, CA 93065; (805) 522-4864*

## Video Toaster Training Volume One

First in a series of VHS instructional tapes on NewTek's new Video Toaster. Covers the many features of the Toaster and instructs the viewer on how to use these features in video production and editing. Vol. One covers hardware requirements, production switcher operation, digital effects tips and techniques, character generator program, frame store application, luminance keying, and chroma effects. \$29.95  
*TeleGraphics International, 502 Market Street, Wilmington, NC 28401; (919) 762-8028*

## ◆ VIDEOTAPES/VIDEO ◆

## Amiga Artists on the Air

A series of video programs showcasing Amiga Artists and their work. Each program is approximately 30 minutes long and includes interviews with the artists or biographical materials about them, along with many examples of their work. Information is given about how the art was conceived and developed. Hardware and software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide.               |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Books & Tapes

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

reviews included. Amiga and video tools are often explained and demonstrated. Featured artists include Isaac and Raphael Abrams, Robert Anderson, Ilene Astrahan, Peter Babula, David Brothers, Tohe Carey, Regina-Bartley Cross, Michael Fisher, the Grants, Paul Gurcules, Larry Keegan, Perry Kivolowitz, Keith Loving, Aaron Marks, Matt McElligot, Vincent Morano Jr., Florence Ormezzano, Ellen Povil, Raymond St. Denis, Kevin Smith, Mark Smith. NTSC. Public access cable rights available. Each volume sold separately. Artist submissions welcomed. \$15 plus \$3.50 S&H.

*Willow Mixed Media, Inc., P.O. Box 194, Lennox Ave., Glenford, NY 12433; (914) 657-2914*

## BACKGROUND: The Videotape

Broadcast-quality background on videotape to be used with Amiga to overlay graphics and titling. From weddings to hi-tech industrial applications. Every background has its own distinctive music. Available tape format: 8mm video/VHS/S-VHS/3/4 U-matic and U-matic SP. Price unavailable. *Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066; (215) 664-4955 serv*

## Desktop Video and the Amiga Computer

This video tape is designed to introduce viewers to the tools and technology of desktop video. The two-hour tape provides viewers with useful information on setting up and using a desktop video system to create their own professional video productions. It includes sections on selecting computer hardware, software, interfacing with a genlock, and setting up a low-cost studio. Video reviews and examples of video output from popular desktop video software programs including character generator, titling, paint, animation, digitizing, and 3-D software is included. \$30.00 *Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901; (501) 321-1845*

## Helpful Lightwave Hints

Instructional video provides help for Lightwave 3-D. Two-part tape features a behind the scenes look at the creation of a TV commercial, and a 60-minute reference guide to surfaces. Includes disk of objects and fonts. Requires VHS VCR. \$39.95 *3 Leaf Productions, 500 Lake Marina Drive, Suite #214, New Orleans, LA 70124; (504) 288-5644 voice*

## Industrial Video Graphics

Reveals a metropolis state of mind with mute images that are mechanical and angular in design. Incorporates continuously changing computer graphics and animation to enhance your music. Running time is 60 minutes. \$16 plus \$4.50 shipping and handling. \$16.00 *Bluesand Video Productions, P.O. Box 93581, Cleveland, OH 44101-5581; (216) 881-6440*

## NewTek's VideoToaster: The Ultimate Guide: Volume One

A detailed step-by-step guide to setting up and using the VideoToaster. Shows how to install in the Amiga and load software. Provides clear, concise explanation of basic video theory. Explains different system configurations. Extensive tutorial on using the switcher, digital video effects, framestore, luminance key, chrome t/x, character generator, and hints and tips. Includes disk of Toaster fonts and CG keyboard overlay. 2000HD, 7MB RAM. Accelerator card recommended. \$49.95 *CP Productions, P.O. Box 103, St. Peters, PA 19470; (215) 265-3995*

## NewTek's VideoToaster: The Ultimate Guide: Volume Two

Learn to use and explore the creative capabilities of ToasterPaint and Lightwave 3D. Create special-effect screens, specialized text and backgrounds. Produce stunning high-end animations. Integrate other software, e.g., DeluxePaint, TV-Text Pro, etc. Complete explanation of setup and use of BCD Animation Controller. Includes ToasterPaint keyboard overlays and disk of 3-D files. Running time 110 minutes VHS. Companion piece to Volume One. NTSC. Requires 2000HD, 5MB RAM. Recommended 9MB RAM and accelerator. \$49.95 *CP Productions, P.O. Box 103, St. Peters, PA 19470; (215) 265-3995*

## Pop Video

A wild and colorful combination of abstract images that reflect pop music. Incorporate continuously changing computer graphics and animation to enhance your music. Running time is 60 minutes. \$16 plus \$4.50 shipping and handling. \$16.00 *Bluesand Video Productions, P.O. Box 93581, Cleveland, OH 44101-5581; (216) 881-6440*

## The Ultimate Amiga Guide to Video Production: Volume One

A detailed step-by-step guide on setting up your own video production studio using camcorder, VCR, and Amiga to do titling, create video backgrounds, animations and editing features. An extensive tutorial of DeluxePaint III, Elan Performer and TV Show includes a two-disk set of 19 video backgrounds, animations and more, running 95 minutes in length. From the Amiga Professional Tutorial series. Requires 1MB, 500 and external disk drive. \$49.95

*CP Productions, P.O. Box 103, St. Peters, PA 19470; (215) 265-3995*

## The Ultimate Guide to Video Production: Volume Two

A detailed step-by-step guide to producing professional level titling, character generation and effects on the Amiga. Featuring the s-VHS format. Shows how to install Digital Creations 2000S S-VHS. Genlock provides clear, concise explanation of video basics. Extensive tutorials on TX-Text Professional and TV-Show, Broadcast Titler and Pro-Video Post. Includes a two-disk set of 14 video backgrounds, animation and more, running 120 minutes, from the Amiga Professional Tutorial series. \$49.95

*CP Productions, P.O. Box 103, St. Peters, PA 19470; (215) 265-3995*

## Toast and Coffee/Videographix Today

A magazine you watch; a videotape periodical that focuses on desktop video and uses that very medium to bring its unique blend of tips and techniques, product information, excursions to user facilities, and more to its subscribers. The publication is designed to incorporate subscriber input and materials for possible inclusion in a segment called The Galley. Subscribers receive a 60-minute videotape every other month for annual fee of \$48. Call for more info. \$48.00

*Videographix, 12231 Nicollette Ave S, Burnsville, MN 55337; (800) 322-4545*

## Video Visions Titler/Wedding Set: The Video

Contains all the backdrops/objects that comprise the Titler & Wedding Set on disk. This videotape version is for those who do not have Amigas, but wish to utilize graphics in their video productions. Contains: titler set, wedding set, videographer, titler, advertiser, broadcaster, and videomaker volumes on tape. Videomaker scenes have been added. \$49.95

*CeV Design, 61 Clewley Road, Medford, MA 02155; (617) 391-9224*

## ◆ NEWSLETTERS ◆

### AVID, The Amiga-Video Journal

AVID focuses on all aspects of the Amiga personal computer in a video production environment. Products covered on a regular basis include: Video Toaster, Imagine, DeluxePaint, DCTV, and other video-related Amiga hardware and software products. Strong emphasis on project-oriented tutorials for Amiga videographers. Subscription rate is \$36 for 12 issues.

*AVID, The Amiga-Video Journal, 415-112 N. Mary Avenue, #207, Sunnyvale, CA 94086; (408) 252-0508*

### AmigaMail Vol. 1

Back issues of the technical newsletter on the Amiga from January/February 1987 to July/August 1990. Price: \$75. Binder: \$10. Index Tabs: \$5. Not available through Commodore Authorized Resellers. Send check/money order to Commodore Business Machines, Dept. C, at listed address. U.S. S&H \$3,

Canada/Europe via air \$15. Add local sales tax for PA, VA, CA, TN. Allow 4-6 weeks delivery. \$75.00 *Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380; (215) 431-9100 Argonauts*

Argoants is for the Amiga developer entrepreneur. The premise is to focus on product development, research, international business linkups and economic self interest. It is designed to provide an open forum to discuss issues important to anyone in the Amiga business. Typical features include product development ideas, first person business accounts and behind the scenes looks at product creation. Regular features include a business page, reviews of interesting research papers that could lead to products and news from different national markets including Russia. Typical readers range from commercial developers, dealers and consultants to the arm chair developer. Write for a free sample issue.

*Argonauts, Box 94, Pearl River, NY 10965*

## PLAYFIELD!

This Journal of Creative Amiga Programming with AMOS provides well-documented, useful code and articles geared specifically toward AMOS. We cover all aspects of AMOS programming, including games, utilities, music, graphics, more. Subscription \$24 yearly for six issues, \$1 sample issue.

*PLAYFIELD!, 5180 NE 6th Ave, Ste 624, Ft Lauderdale, FL 33334; (305) 491-9770*

## Radical Type

Radical Type is the only magazine dedicated to Amiga and Atari publishing. Each monthly issue has tutorials and hints for PageStream and Professional Page beginners and experts. Radical Type has reviews of fonts, clip art, books, and other DTP related products, plus the latest Amiga desktop publishing news. Whether you use PageStream, ProPage, or Saxon, you'll find help in Radical Type. Receive 12 monthly issues for \$29.95. Canada: \$35 U.S. funds; International: \$40 U.S. funds. \$29.95 *I-Koen Design, P.O. Box 20135, St Louis, MO 63123*

## Software of the Month Club

Provides both a product and a service to Amiga users worldwide. Members of the Clip Art Club receive 45 original images on disk (and newsletter) every two weeks. Fonts Club members get several different brand-new typefaces. Each clip art volume covers a wide variety of subjects, from sports and recreation to travel and leisure, cartoons, financial and business images. As a member, you can speak directly with the artists to suggest clip art or font ideas for upcoming volumes. Membership costs \$24.95 for one year. Regular shipments cost \$14.95 for three disks, including first class shipping and handling. Foreign orders add \$5. Credit cards only, please.

*Software of the Month Club, 2180 Las Palmas Drive, Carlsbad, CA 92009; (619) 931-8111*

## Video Toaster User Newsmagazine

(Formerly BreadBox) Video Toaster User focuses on Toaster-related hardware and software, Toaster user profiles, and in-depth tutorials on ToasterPaint, ToasterCG, Modeler, LightWave 3D, and ChromaFX. Video Toaster User includes helpful Video Toaster tips, tricks, and techniques. Subscription rate is \$36 for 12 issues.

*Video Toaster User, 21611 Stevens Creek Blvd., Cupertino, CA 95014; (408) 252-0508*

## X-PRESS

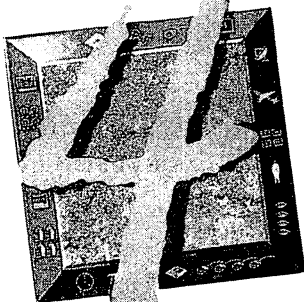
Monthly newsletter geared to the professional using X-CAD Pro and XCAD 3D. Packed full of useful information including reviews, and comparisons of AmigaCAD products. Provides tips and techniques for using XCAD and associated products. X-PRESS will help you 'test the envelope' of X-CAD on the Amiga. One-year subscription: \$49. Per issue: \$4.95. Back issues available for \$5.95 each. An index is available upon request.

*GrafX Computing, 6680 Willistie Road, Panama, NY 14767; (716) 782-2468*

# Taking Care of Business

## SBASE PROFESSIONAL

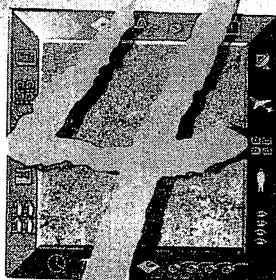
Now supports  
AGA Chipset



Version 1.3 (New Release) - The most advanced database management system available for the Amiga computer. Sbase handles text and numeric data as well as graphics and sound files. Includes the DML applications development language, text editor and form designer plus ARexx port. Special features include Filter for precise extraction of records and Query for powerful report generation. Complex applications such as customized accounting systems can be developed using the DML language. Compatible with Amiga DOS version 1.3 thru 3.0  
**List Price: \$299.95.**

## SBASE PERSONAL

Now supports  
AGA Chipset



Version 1.0 (New Release) - Includes nearly all of the features of the Professional version except for the DML language and ARexx port. Create databases from management of graphical images and IFF sound files to simple mailing lists. Data files are compatible with the Professional version. Compatible with Amiga DOS version 1.3 thru 3.0. **List Price: \$149.95.**

## PRESENTATION MASTER

Now supports AGA Chipset

Version 1.2 (New Release) - Create professional quality slide shows and on-screen presentations. Includes object-based drawing program that can import EPS clipart for customization. Includes color postscript output and compatibility with the new AGA chipset. Compatible with Amiga DOS version 1.3 thru 3.0 **List Price: \$299.95**

## AMIGA CLIENT SOFTWARE

NCP Library -35.00 - With ACS, Amiga computers can be networked with the leading networking software - Novell Netware. ACS is compatible with versions 2.15 or greater of Novell Netware. Allows for files sharing with PCs, Macintoshes and other Amigas as well as sharing of peripherals such as large hard disk drives and laser printers. **Priced at \$199 for a single user version, \$499 for up to 5 user version and on up for larger configurations.**



PO BOX 90309, LONG BEACH, CA 90809

PHONE: (310) 427-1227 • FAX: (310) 427-0971

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Circle 111 on Reader Service card.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

**'881 Math Part I:** Programming the 68881 math coprocessor chip in C Author: Read Predmore AC2

**'881 Math Part II:** Part II of programming the 68881 math coprocessor chip using a fractal sample. By: Read Predmore AC3

**'Liner** A shareware outliner whose function is to create outlines for notes or export to other programs. 'Liner can save an outline as ASCII text and is clipboard compatible. This version utilizes a number of AmigaOS 2.0 features and thus requires 2.0. Support for the new ECS Denise display modes is also included. Includes source in C. Author: Dave Schreiber FF451, FF394, FF285

**.Blanker2** A screen blanking program that turns the screen black after 90 seconds of keyboard and mouse inactivity. Implemented as a very tiny event handler to the input handler event stream. Version 1.27.88, includes source. Author: Joe Hitchens FF146

**.Diff** A program that uses the same algorithm as the UNIX diff program and also produces context diffs, suitable for use with patch. Author: Unknown (Decus C diff) FF142

**.Keymap\_Test** A program to test the keymapping routines and find possible bugs. Useful as an example of keymapping. Author: Pushpa Kumar FF19

**.Rim** RIM-5 (Relational Information Manager) is a full relational DBMS that is suitable for VERY large databases using B-Tree data storage. It has a crude (by today's standards) user interface, but since full source code is provided, this can be fixed. Versions of RIM run on a wide variety of systems, small and large, and produce compatible databases. Also includes a built in HELP database and a programming language. Full Fortran source code and documentation included. Author: Various, Amiga port by Glenn Everhart FF143

**1D\_Cells:** A program that simulates a one-dimensional cellular automata. Author: Russell Wallace AC5

**2View** 2View is an ILBM picture viewer for use under Workbench 2.04 or later. It supports all standard ECS graphics modes, SHAM, Macropaint-style dynamic hires, color cycling, ARexx and both the CLI and Workbench. This version fixes a bug in 1.50 and adds support for 2.04-style wildcards from the CLI. Includes source. Author: Dave Schreiber FF727, FF654, FF546

**3D Breakout** 3D glasses, create breakout in a new dimension. AM15

**3D-Arm** The first stage of a larger project to study goal directed animation of articulated objects (objects which can move with various degrees of freedom but are constrained by attachment to other links within the object). This program demonstrates goal directed animation with a simulated 3-dimensional robot arm. Includes source Author: Bob Laughlin FF47

**3Dcube** Modula-2 demo of a rotating cube. AM8

**3DPlotA** 3D function plotting program that does hidden line, solid, or contour plots of equations of the form Z=F(X,Y). You can scale the plot, set plot limits, change rotation, etc. Can save and load the plots themselves, as well as the data. Version 2.0, includes source. Author: Randy Finch FF440

**3DSolids** 3D solids modeling prog. w/sample data files. ABasic program AM1

**3dsolids**One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**3dstars** 3D version of Leo's 'stars' program (also on this disk). Author: Leo Schwab FF33

**3DTicTacToe** A three-dimensional four-in-a-row version of TicTacToe, human against computer. Version 1.2, binary only. Author: Ron Charlton FF366

**4-Get-It** A fully playable version of an arcade quality puzzle game with 10 levels. The full version has almost 300 levels and 700K+ additional graphics. Impressive sound and graphics. Requires 1 MB. Binary only. Author: Adisak Pochanayon FF850

**4D** Two programs for visualizing four-dimensional objects. The Tesseract program displays the three-dimensional projects of a hyper-cube (tesseract), a hyper-octahedron or a hyper-tetrahedron. These can be rotated in three and four dimensions. The 4D Navigator program moves you through the three-dimensional surface of a four-dimensional sphere. Version 1.01 for both. Binary only. Source available from author. Author: Jerry D. Hedden FF541

**4Wins** A simple little WorkBench game where the first one to get four happy faces in a row wins. Author: Kay Gergs FF643

**6bitcolor** Extra-half-bright chip gfx demo, C program in C source code and executable. AM3

**8ColorWB**Modifies the Workbench so three bitplanes are used, icons can have eight colors, instead of four, eight-color icons are included. Public domain program 'zapicon' or 'brush2icon' converts eight-color IFF brushes to icons, to use Deluxe Paint to make icons for this new Workbench. AM25

**24BITTools** Three conversion programs to manipulate 24-bit images. IFF24To8 converts 24-bit IFF images to 8-bit IFF images Pro2BMP converts 24-bit 3D-Professional format images into 24-bit '.BMP' files that Microsoft Windows can understand and Pro2IFF converts 24-bit 3D-Professional format images into the more useful 24-bit IFF format. Includes source. Author: Dallas Hodgson FF553

**60or80A** small utility to toggle the 60/80 column text modes without having to go through preferences. Works from either the CLI or the Workbench. Includes source. By: Mark Schretlen FF157

**64 Colors:**Using extra-half-brite mode in AmigaBASIC. Author: Bryan Catley AC6

**501** This program keeps score for the dart game 501. Games recorded via the keyboard create a data base

reflecting each player's performance. The statistics track personal bests, averages, win percentages and high scores. Written and compiled using HiSoft Basic Professional. Binary only. Author: Gilles Lepage FF728, FF651

**1812Overture** The 16 minute classical feature complete with Cannon! AM23

**68020** Text describes 68020 speedup board from CSA. AM1

**A Shared Library for Matrix Manipulations:** Creating a shared library can be easy. Author: Randy Finch. AC12

**A-Gene** Latest demo version of a popular genealogy database program. A-Gene now supports both PAL and NTSC systems. This demo is complete but limited to 200 persons/70 marriages, and does not have on-line help. A-Gene includes a text-editor to add free-form reports to records and allows you to show digitised pictures from within the program. This version also includes Ordinances for Church of Latter Day Saints users. Pedigree charts and family group sheets, among other reports, can be printed. A-Gene needs 1Mb of ram. Binary only. Author: Mike Simpson FF702, F425

**A-Render** Version.3 a Ray-Tracing Construction Set for the Amiga Computer by Brian Reed ED FF99

**A2ps**Another 'oldie but goodie' I found poking around the net. This seemed like an appropriate place to put it. A2Ps formats an ascii file for printing on a postscript printer, adds borders, headers etc. Lots of command line options. Includes source. Author: Miguel Santana, amiga port by Daniel Barrett FF797

**A68kA** 68000 assembler originally written in Modula-2 in 1985 and converted to C by Charlie Gibb in 1987. Has been converted to accept metacomo-compatible assembler source code and to generate Amiga objects. Include source. Author: Brian Anderson; C translation and Amiga work done by Charlie Gibb FF521, FF314, FF186, FF110

**A68kEx** Twelve examples demonstrating the use of Charlie Gibb's A68k assembler. Over a quarter megabyte of assembly source code. Author: E. Lenz FF431

**AAP\_AAC**Animation playback and convert programs. (AAP and AAC). AAP can show IFF ILBM pictures, show IFF ANIM\_5 and IFF\_ANIM\_7 animations. It can show (long) sequences of animations and/or pictures using a script file and can operate from memory (preload) and/or disk. AAC converts between the supported anim filetypes and/or sequences of pictures. AAP version 1.2, AAC version 1.1. Includes source and a small sample sequence mix of pictures/animation from script file. Author: Wolfgang Hofer FF779

**ABackup** A powerful backup utility, that may be used both for hard disk backup and for file archiving. Features include a full Intuition interface, a 'batch' mode, save/load file selection, support for HD floppies, support for XPK library, a child task for disk write, error recovery when writing to a disk, cyclic backup to and restore from several drives, optional data compression, function to rebuild the catalog, support for both soft and hard links, and more. Includes French and English versions. Shareware, binary only. Author: Denis Gounelle FF838, FF780, FF759, FF706

**ABdemos** AmigaBASIC demos. NewConvertFF creates .bmaps from fd files. BitPlanes finds addresses of and writes to bit-planes of the screen's bitmap. About Bmaps is a tutorial on creation and use of bmaps. LoadILBM loads and displays IFF ILBM pics. LoadACBM loads and displays ACBM pics. ScreenPrint creates a demo screen and dumps it to a graphic printer. Author: Carolyn Scheppner, Commodore-Amiga FF27

**ABridge** An interim solution to Anim-5 incompatibility problems. Identifies the origin of an Anim-5 file and modifies it to facilitate easy exchange between AniMagic, Videoscape, Animation Studio, DPaint III, Animation: Editor(V.11.1), The Director, SA4D, Movie2.0, Photon Paint 2.0 and Cel Animator. Fully intuitionalized interface, full ARexx support including a Find ARexx option if you start ARexx after running ABridge. This is version 1.0, shareware, binary only. Author: Ron Tarrant, Mythra-mations Animation and Software FF359

**Accent** A universal accented character converter for Amiga, IBM-PC, MacIntosh, and C64 files written in most West European languages (Danish, Finnish, French, German, Italian, Icelandic, Norwegian, Spanish, Swedish, and more. Works with either ASCII or Word Perfect files. New features include a graphical user interface, simple file reader, and copy option. Binary only. Author: Michel Laliberte FF535

**Access** A 16 color terminal program based on Comm version 1.34 Includes new macro window, custom gadgets, colorized menus, etc. Version Beta 0.18, binary only. Author: Keith Young (based on comm by D.J. James) FF98

**Accordion** Demo version of a solitaire type card game. The object of the game is to condense all the cards into one pile. The cards are dealt face up from left to right, one at a time. Piles are built by moving a card or pile from the left onto a card or pile to the right. V 1.0.1, binary only. Author: Steve Francis FF260

**acoustic guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Acp** A copy program with file name expansion and argument interpretation like the UNIX cp. Author: Fred Cassirer FF36

**Ada** An Ada Syntax checker for the Amiga. Includes lex and yacc source. Author: Herman Fischer; updates by William Loftus FF154

**Adapt** CLI utility that converts special German characters in files imported from MS-DOS systems into the right Amiga

codes. Can easily be changed to work with other languages. Version 2.2, includes source. Author: Lars Eggert FF378

**Add** Lets you create keyboard shortcuts for selection of menu items in programs where the author did not make provisions for such shortcuts, or chose ones that disagree with you. Also includes 'until' which waits for a specific named window to be created. Shareware, includes source. Author: John Russell FF73

**AddAssign** A small system patch and replacement for the standard CLI commands 'assign' and 'path'. With AddAssign, you may assign a logical device (like 'C:' to one OR MORE physical devices or directories). AddAssign is especially useful for programs which need a library or something else in a specified path, but you don't want them to be there. Version 1.04, shareware, includes source. Author: Alexander Rawass FF648

**addbook** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**ADDCR V1.00**Utility to add CR's before LF's in files FF168 & 169

**AddIconA** useful tool that copies icons to a given file or directory. It supports pattern matching and has various options. It first looks at the suffixes of the files and for chunks to identify their types, then it copies the right type of icon to the files. These icons should be located in the Icons: drawer. Contains all needed icons. OS 2.xx only. FreeWare version 1.7, binary only. Author: Hans-Peter Guenther FF750

**AddKickMem** Adds the KickStart memory to your free memory on an Amiga 1000 with Kickstart in ROM. FF105

**addmem** Executable version for use with mem expansion article in AC v2.1. AM17

**addmem.c** Add external memory to the system. C program. AM4

**AddMenu** A program to add infinite number of menus to the Tools menu on Workbench V2.0. Uses the correct Workbench library calls and allows updating from CLI or from within the menu itself meaning infinite number of functions. Binary only. Author: Nic Wilson FF565, FF553, FF501

**Address**Extended address book written in AmigaBASIC. Author: Mark Hurst FF32

**AddressBook**Simple database program for addresses. ABasic program. AM1, AM8

**Addresser** Name, Address and phone number database in a window. Features include merge file creation for most popular Amiga word processors, envelope printing, user-defined address formats, support for the Amiga clipboard device, and much more. Binary only. Author: Jeff Kelly FF767, #559

**AddressisDEMO** Demo version of a very powerful small business and personal mail manager that includes many extras. You can define up to 15 flags, export data to ProWrite and Wordperfect, and print rosters, mailing lists, labels, envelopes plus a whole lot more. Works with 1.2/1.3 and 2.0. Author: Legendary Design Technologies Inc. FF798

**Advev11** A complete development system for Motorola's 68HC11 processor, including a macro assembler, linker, librarian, downloader and disassembler. Supports multiple source file and multiple relocatable segments per file. Binary only. Author: Stan Burton FF717

**ADL** This disk contains a distribution of ADL (Adventure Definition Language). ADL is a superset of an older language namedDDL, by Michael Urban, Chris Kostanick, Michael Stein, Bruce Adler, and Warren Unui. ADL enhancements were made by Ross Cunniff, who submitted this material for inclusion in the Fred Fish library. The standard library files 'GeneralInfo', 'Contents', and 'Distribution', along with their associated icons, have been added to the disk. The directory 'c' has been added, along with a very nice text reader program called 'less', which is the default tool for reading all the text files for which there are icons. Included here are the sources to the ADL compiler, interpreter, and debugger. The binaries were compiled by Ross with the Lattice 3.03 compiler. Ross noted in his letter that currently ADL is a CLI environment program only, but that he hopes to offer a more Amiga'ized version in the future. Also, the stack size should be set to at least 10000 before attempting to run ADL. FF91

**ADM** A comfortable and flexible address database with font sensitive windows, commodity support, application window support, an ARexx-port, public screen support, and fully controllable from the keyboard. It includes user flags (grouping), email support, and freely configurable label printing. It can fill out letter forms and call your word processor, print remittance orders, dial the modem, and has online help. Requires AmigaDOS version 2.04 or later. Version 1.01, German version only. Shareware, binary only. Author: Jan Geissler FF847

**Adoc** New version rewritten from scratch, of a help utility for the Amiga which allows you to have permanent help on any subject you want. Features include automatic search of any word on which you clicked, intelligent term requester, ability to use Commodore 'AutoDocs' files and any nonproportional font, an AREXX port, and more. Both French and English versions. This is Adoc2 version 1.21. . Binary only. Author: Denis Gounelle FF747, FF627, FF402

**Adventure** A port of the classic Adventure game originally by Will Crowther and Don Woods. Has been extended to a 550 point version. Also speaks as it prints (though I found this feature annoying). Minimum 512K recommended. Binary only. Author: David Platt, Ken Wellsch, Dave Haynie FF82

**Adventure** The Colossal Cave Adventure, by Donald Woods and Will Crowther. This program runs from the CLI

# Freely Redistributable Software

or Workbench, and is virtually identical to the original mainframe classic. This is version 1.10. Binary only. Author: Donald Woods, Will Crowther; ported by Tony Belding FF727, FF659

**AdvSys** An adventure writing system, as described in the May 1987 issue of Byte magazine. AdvSys is a special purpose programming language that was specifically designed to be used to write computer text adventure games. Version 1.2, binary only. Author: David Betz FF87

**AdvTemplates** A collection of PD spreadsheet templates for business and law, originally intended for Lotus 123 on IBM PC's. They have been transferred to the Amiga, loaded into Gold Disk's The Advantage, and saved as native Advantage files. Requires Advantage V1.1 or higher. Author: Amiga port by Michal Todorovic FF431

**AegisDrawDemo** Demo disk of the Aegis Draw program. This is the actual production program with only the 'save' feature disabled and without documentation (intentionally). Very impressive program! Received directly from Aegis Development. Cc Version of the UNIX like C compiler front end program, for Manx C. Previous released version was for Lattice C. Author: Fred Fish FF29

**Aequiput** A program that renders multicolor pictures using an algorithm based on electrostatic effects. Renders in low-res, in high-res, and in two speed/quality modes. Includes both PAL and NTSC versions, English and German docs. Now supports saving pictures in IFF-ILBM format and animation rendering via script files. Freeware, includes source in PCQ. Author: Juergen Matern FF517, FF474.

**Aerotoons** Animations with anthropomorphed aircraft as the center of their humor. Includes Swiss Army F-16 In Combat and Stealthy Maneuver II. Author: Eric Schwartz FF413

**AFaxDemo** Demonstration version of the AmigaFax software package. Send and receive faxes with an Amiga 500/1/2/3000. Features background fax operation share one phone line for fax and data (eg UUCP/BBS/FAX) fax spooling aliases/mailling lists. Converts between fax and text IFF ILBM TeX .dvi files and command files operates from shell or WorkBench. Requires compatible FaxModem. Demo version limited to single page transmit/receive. Version 1.20. Author: David Varley C-Born Software Systems FF619

**Afterm** Communications program utilizing IBM 3278 terminal emulation. Binary only. Author: Don Brereton FF170

**AGAtest** Two little programs for the (lucky) owners of AGA machines that show all 2<sup>24</sup> colors on an AGA HAM8 screen without ever changing the 64 base color registers. Includes source. Author: Loren J. Rittle FF777

**AHDM** Amiga Hard Disk Menu. When placed in your startup sequence AHDM offers a sixteen page menu each page having up to ten possible actions. By double clicking on an action that action will execute any legal AmigaDOS command program or script file. This allows you to interactively select which programs you wish to start or packages to install at boot time. Binary only demo version that supports 5 pages of 5 actions. Author: Scott Meek FF631 FF319

**Ahost** Amiga terminal emulator featuring ANSI terminal emulation, file transfer with CompuServe's B-Protocol, Kermit, and Xmodem, user definable function keys, script language, RLE graphics and a special conversion mode for use with CIS. Version 0.9. Author: Steve Wilhite & George Jones FF40

**AIB** A gadtools driven Amiga interface builder for constructing windows menus and gadtools. It is incomplete and was submitted to serve as more AmigaDOS 2.0 example code. Includes C source. Author: Doug Dyer FF623

**AIBBAmiga** Intuition Based Benchmarks is a program designed to test various aspects of CPU performance using a full intuition interface. Tests include 'WritePixel', Sieve, Sort, Savage, Dhrystone, and Matrix. Version 2.0, binary only. Author: LaMonte Koop FF439

**All** The Archiving Intuition Interface makes things easier if you are archiving or dearchiving files. You can do it all with the click of a mouse button, instead of typing in a whole line in the CLI. Now supports KickStart 2.xx as well as 1.3. Supports several archiving formats including LHA, Zoo, Arc, UnArj, and UnZip. Requires regtools.library. Shareware, binary only. Author: Paul Mcclachlan FF825, FF799

**AirAce** A fast paced WWI biplane shoot'em up game built using Accolade's Shoot'Em Up Construction Kit. Binary only. Author: Robert Grace FF469

**AirFoil** Generates airfoil models as well as their corresponding streamline and pressure distributions. Includes source. Authors: Russell Leighton Addendum by David Foster FF150, FF71

**AL** Archive Lister. Recognizes and lists contents of archives created by ARC, LHARC, LHA, LZ, ZOO, APE, ZIP, WARP, DMS and ZOOM. AL is fully standalone and doesn't call upon the original archives to list contents. Binary only. Author: Oliver Wagner FF684

**alarm** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**AlarmingClock** A simple alarm clock program with a very alarming 'ring', particularly if you hook it up to your stereo and turn up the volume. Includes source. Author: Brian Neal FF229

**Alert** Gives detailed information about the meaning of various Amiga alerts given the 32-bit hex alert number. Version 1.00 includes source. Author: Stefan Zeiger FF636

**Alert** Program to create custom alert boxes and standalone programs to display them. Each alert can be up to 7 lines of up to 77 characters per line. Version 3.6, shareware, binary only. Author: Thomas Jansen FF417

**algebra** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early

Amiga BASIC programs. FF13

**AlgoRhythms** An algorithmic composition program that improvises music over a MIDI interface connected to the serial port. A MIDI inter- face and synthesizer are needed. The music is simple but can be pretty. Now on its own 8 color screen with 20 voices and more scales AlgoRhythms saves its own output to standard MIDI files and can play 330 notes/sec on a 68000 at 7MHz. Does not use Amiga audio. Includes source and sample data files. Author: Thomas E. Janzen FF606, FF356

**Aliases** Text explains uses of the ASSIGN command. AM1

**alib** Object module librarian. Author: Mike Schwartz FF2, AM2

**Alice** This animation is Carey's entry to the 1988 Badge Killer Demo Contest. Author: Carey T. Pello FF212

**Alint** Support files for Gimpel lint to make it useful on the Amiga Author: Thomas Althoff FF34

**AList** A CLI command that lists the length of every file and the REAL length of every subdirectory in Bytes, KBytes and MBytes. Version 1.0, includes source in C. Author: André Wilms FF742

**AList** A directory listing program based on Dave Haynie's LD4 program, with extensions and enhancements. Includes source. Author: Ed Kivi (original by Dave Haynie) FF108

**AllocMaster** Allocmaster is a program inspired by Nick Sullivan's 'Reserve' article in Amiga Transactor, for controlling the amount of both Chip and Fast memory available to the rest of the system. It is very useful for testing applications in low-memory situations. It also has a snapshot feature to report differences in available memory before and after running an application. V 1.17, binary only. Author: John Gerlach Jr. FF221

**ALoad** A program similar to XWindow's XLoad to display the load- factor on your Amiga. Requires KickStart 2.0. This is version 1.1b includes source. Author: Alexandru-Aurel Balmosan FF564

**ALock** A limited multiuser security system for your Amiga. This is version 1.04, binary only. Author: Trevor Andrews FF717

**ALook** An IFF ILBM displayer with lots of features! Displays Anims, HAM, extra half-brite, overscan, low-res, hi-res, lace, etc. Runs from WorkBench or CLI, recursive wild-card selection, specifiable delays between displays, loop mode and more. Uses ifilibrary. Requires OS 2.0. Version 3.1, binary only. Author: Trevor Andrews FF769

**AlphMan** A programmer tool which may help you to create an intuition or gadtools user interface. It opens a window with a gadget for each keyboard key. If you press a key the dependent gadget will be disabled. So you may check whether a key has been used or not. Requires AmigaDOS 2.04 or higher. Version 1.00, freeware, binary only. Author: Hans-Peter Guenther FF824

**Alticon** Sets a second icon image, displayed when the icon is clicked. AM8

**AltKeyQA** A commodity that allows the user to input characters thru ASCII code by holding the left ALT key and typing in the code on the numeric keypad. (same as on PCs with MS-DOS). With AmigaOS 2.1 a localization takes place (currently German). Requires AmigaOS 2.04. Version 1.0, includes source. Author: Dieter Temme FF764

**AMAlgo** Algorithmic music generator. Produces MIDI output via Bill Barton's midi.library. This is version 1.1. Requires OS 2.0. Includes source. Author: Michael Balzer FF566

**AMancala** This is a slightly modified variant of an old African board game called Mankalla. Zero, one and two player mode, six computer players, protocol function, 12 ranking lists maintained. Also a short online manual, SingleStep-Learn- Mode and two display modes (numerical, graphical) provided. Usage from both Workbench and CLI supported. Compatible with Kickstart 1.3 and 2.0. This is Version 1.19, binary only, shareware. Author: Thorsten Koschinski FF649

**AMaster** An address database program with sort, search and selections after each field. The number of entries depends only on the free memory. Has a lot of print options including a print to screen function. Has a full online help system. Includes both German and English versions. Is font independent and has been tested under 2.04 and 3.0. Requires AmigaDOS 2.04 or higher. This is version 1.52, freeware, binary only. Author: Hans-Peter Guenther FF827

**Amastemind** A mastermind type game written in AMOS and compiled so that it can be run from workbench. Fully mouse and menu driven. Features choice of 6 to 10 colors with 4 to 8 holes. This is version 1.1 shareware binary only. Full source avail- able from author. Author: Andrew Kreibich. FF554

**AMC 'Amiga Message Center'** Scrolls a message from a text file across the screen on a colorful background. Similar to the 'greetings' programs developed by European Amiga enthusiasts. V1.0, binary only. By Foster Hall FF182

**AmCat** Shareware disk cataloging program. Suggested donation of \$20. Binary only. Author: Brian Conrad FF67

**amgseq1** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**AmiBack** Demo version of Ami-Back v2.0, a nice backup utility for the Amiga. Features include backup to any AmigaDOS compatible device (such as floppies, removable hard disks, fixed media hard disk, and tape drives), compression, no copy protection, configuration files, complete backups, incremental backups, selective backups, file exclusion filter, setting of archive bit, password protected backups, online help, AREXX support, etc. Demo version does not have restore. Binary only. Author: MoonLighter Software FF682, FF517, FF493, FF447

**AmiBas** Some miscellaneous AmigaBASIC programs, including a 3D plot program, a kaleidoscope, a C-A logo

drawing program, a file comparison utility, a string search program, etc. Includes source. Author: Peter Kittel FF71

**AmiBug** Workbench hack makes the same fly walk across the screen at random intervals. Otherwise, completely harmless. AM24

**AmicForm** Creates a phonebook containing only those areacodes and exchanges reachable through PC-Pursuit. Works with the new Finalist BBS format. Version 1.4, Binary only. Author: John Molsinger FF178, FF157

**AmiCheck** An easy to use, intuitive, friendly checkbook program. Allows you to enter your checks in a very natural style, giving you a running balance as you do so. Options include reconciling your checkbook, starting new registers with outstanding checks only, printing all, cleared, outstanding, or selected entries, and more. Version 2.0, shareware, binary only, requires AmigaDOS 2.0. Author: Jeff Hoag FF490

**AmiCron** A simple UNIX 'cron' type program, which is a background task that uses a disk-resident table to automatically run certain tasks on a regular basis, at specific times. An enhanced and debugged version of AmiCron 2.3 from FF113. Includes source. Author: Steve Sampson, Rich Schaeffer, Christian Balzer FF139, FF113

**AmicTerm** A new terminal/communications program based on Dan James' 'comm' program, but greatly enhanced. Includes a script language, auto redialing, choice of display beep or audible beep, enhanced file requester, and more. Version .50 (beta), binary only. Author: David Salas and Albert Kirk FF82

**AmiDock** AmiDock is an Amiga version of the NeXT's Dock facility. It will open up a small window on your WorkBench full of little IFF brushes. Each brush represents an application, like an ICON but it's a brush. Click on the brush and your application will start. This is version 1.2.4. Shareware, binary only. Author: Gary Knight FF518, FF474, FF459

**Amiga Developer's IFF disk** This is a copy of the Amiga Developer's IFF disk, received directly from Commodore- Amiga sources, with permission to place in the library and redistribute. Enjoy-Fred. FF64, FF16

**Amiga Flight Simulator IIAMICUS Scenarios** Disk 16 contains several files of scenarios for Amiga Flight Simulator II. By putting one of these seven files on a blank disk, and inserting it in the drive after performing a special command. In this game, a number of interesting locations are preset into the Flight Simulator program. For example, one scenario places your plane on Alcatraz, while another puts you in Central Park. AM16

**Amiga Kermit V4D(060)** port of the UNIX C-Kermit. AM17

**Amiga Turtle Graphics: Computer graphics and programming with a LOGO-like graphics system.** Author: Dylan M Nmanee AC10

**amiga-copy** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**amiga3d** Shows a rotating 3 dimensional solid 'Amiga sign'. No source available, executable only (downloaded from a Denver BBS). Author: Barry (bart) Whitebook of C-A FF12, FF14

**Amiga\_E** An Amiga specific E compiler. E is a powerful and flexible procedural programming language and Amiga E a very fast compiler for it, with features such as compilation speed of 20000 lines/minute on a 7 Mhz amiga, inline assembler and linker integrated into compiler, large set of integrated functions, module concept with 2.04 includes as modules, flexible type-system, quoted expressions, immediate and typed lists, low level polymorphism, exception handling and much, much more. Written in Assembly and E. Public domain. Includes partial sources. Author: Wouter van Oortmerssen FF848, FF810

**AmigaBase** A hierarchical, programmable, in-core database that runs under OS 1.3 and OS 2.0. Has a full intuition interface. Features include two display methods, filter datasets, search datasets, print datasets, and much more. Nearly everything can be realized by programming AmigaBase. Datatypes can be Integer, Real, Boolean, String, Memo (Text), Date and Time. Number of datasets is only limited by available memory. Also included in the package are some example projects. Shareware, binary only. Author: Steffen Gutmann FF813, FF792

**AmigaBBS** AmigaBASIC bulletin board C program. AM12

**AmigaBench** Optimized Amiga assembly versions of the Dhrystone benchmark. Includes 68000 and 68020 versions. Author: Al Aburto FF236

**amigademo** Graphical benchmark for comparing Amigas. Author: Charlie Heath (MicroSmiths) FF1

**Amigadex** A disk based 'address book'. It is intended to be used as a personal data base for the names addresses and phone numbers of all your friends and business associates. May be used to maintain a small mailing list. Includes a flexible print utility and import function. Version 1.61 shareware binary only. Author: Ray Lambert FF631

**AmigaDisplay** Yet another variation of a terminal emulator program. This is a modified AmigaTerm that can emulate a dumb terminal (interesting paradox here somewhere...), translate line termination sequences, optionally capture or discard control characters in the captured file, use audible bell, use another font, etc. Author: Don Woods (Original code by Michael Moulner) FF18

**AmigaEMS** A utility program for Amiga bridgeboard users that allows you to use any amount of Amiga memory as expanded memory on the bridgeboard. AmigaEMS is LIM/ EMS 4.0 compatible. This is version 1.01, shareware, binary only. Author: drs. A. D. Hagen FF687

**AmigaFox** A text processor with graphics capabilities. Version 1.00, binary only. Author: Michael Wust FF315

**AmigaHost** V0.9 for CompuServe. Includes RLE graphics abilities & CIS-B file transfer protocol. AM17

**AmigaLib** A library of Workbench/ROM-Kernel interface routines for use with AbSoft Fortran. Includes source. Author: Jim Locker FF493

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**AmigaLine** A series of various technical notes for Amiga programmers. Author: Byrce Nesbitt FF138

**AmigaMail** A collection of source code listings from the first eight issues of Amiga Mail Volume II published by the Commodore Amiga Technical Support group (CATS) from Sept 1990 to Nov 1991. Lots of very useful examples. Author: Various FF567

**AmigaMonitor** Dynamically display the state of the machine, including open files, active tasks, resources, device states, interrupts, libraries, ports, etc. Display window into memory. Version 1.13, binary only (source available from author). Author suggests \$15 donation. Author: Jim Voris FF70, FF40, AM15

**AmiGantt** A project definition and management tool designed to create a simple, interactive method of outlining the task required to complete a particular project, using the GANTT chart as the input format. AmiGantt displays the project in a multi-window mode with separate windows for the GANTT chart, task information input, resource histogram display, and Pert chart display. Up to 500 tasks may be defined for any project, and a project may contain other projects as tasks. Version 3.0.0, shareware, binary only. Author: Donald Tolson FF493, FF248

**AmigaPascal** This is a mini PASCAL compiler, which may be used for smaller projects. It is not yet quite complete and can only be run from the CLI. Works on all Amigas, and OS versions from 1.2 to 3.1. Version 1.0, freeware, binary only. Author: Daniel Amor FF849

**AmigaPet** Another cute screen hack. Version 2.52b, binary only, source available from author. Author: Patrick Evans FF448

**AmigaPunt** A program designed to predict the performance of horses in a race. The premise is that the factors affecting a horse's performance, and ultimately the result of the race, can be given a value. Binary only. Author: Pierre A du Parte FF272

**AmigaSpell** Very nice intuition oriented shareware spelling checker, version 2.0, binary only. Author: Mike Berro FF67, AM8

**AmigaTCP** The KA9Q Internet Software Package supports IP, ICMP, TCP, UDP, and ARP as basic services, and implements the FTP, Telnet, and SMTP protocols as applications. It runs on IBM PC and clones, the Apple Macintosh, and the Amiga. Includes source. Author: Bdale Garbee, Phil Karn, Brian Lloyd FF225

**amigaterm** Terminal emulation program with xmodem upload/download capability Author: Michael Mounier FF1

**AmigaToAtari** Source code for an Amiga to Atari ST object code format converter. Takes Amiga objects as input and produces Atari objects as output. This allows the Amiga to be used as a cross development machine providing the proper libraries are available. (Currently does not work, but I don't have an ST to try it with anyway...) Author: Landon Dyer at Atari Corp. FF20

**AmigaToNTSC** AmigaToNTSC patches graphics.library so it will think you have an NTSC Amiga. AmigaToPAL will patch it to think you have a PAL Amiga. Custom screens will open in the mode selected. Version 1.0 binary only. Author: Nico Francois FF575

**AmigaTration** A 'Concentration' like game for the Amiga, where you must locate matching tiles on a grid that can range from 4x4 (easy) to 12x12 (difficult). Version 1.0, binary only. Author: Gabe Dalbec FF453

**AmigaTrek I** Three stories which are a parody of the Star Trek series, with an Amiga flavor. Author: Mike Smithwick FF278

**AmigaTrek II** A continuation of Mike's Amiga Trek stories, which are parodies of the Star Trek series, with an Amiga flavor. Author: Mike Smithwick FF320

**amigratricks** Text, tips on CLI commands. AM5

**AmigaVenture** A program which allows you to write your own Infocom-style adventure programs in AmigaBASIC. It is a full-featured adventure parser, including direct and indirect objects, multiple object processing, adjectives, automatic ambiguity resolution, and subordinate clauses. The parser includes support for one, two, or three-word verbs, and a full set of object-manipulation primitives. Author: Mitsuharu Hadeishi FF41

**AmigaWave** This is Allen's entry to the 1988 Badge Killer Demo Contest. It is an animation with sound effects by: Allen Hastings FF211

**AmigaWorld** A database program that contains information about every country on Earth. It enables you to have a look at the data of one country, or to compare several countries. It is easy to handle, and you can use it with your favourite colors, font, and even language (at the moment there are English and German data files). Requires 1MB of memory. This is freeware version 1.0. Modula-2 source is available by the author. Author: Wolfgang Lug FF804

**AmiGazer** Compute a view of the night sky using a data base of 1573 stars for any date time of day and latitude. Click on stars for info about them. Now compatible with WB 2.0. Binary only. Author: Richard Horne FF619, FF90

**AmiGo** A Go board and player for the Amiga. You can play against another human, against the Amiga, or have the Amiga play itself. Version 1.0, includes source. Author: Todd Johnson, Stoney Ballard FF289

**AMines** A small game, like the X-Window's game X Mines. The aim of the game is to detect all of the 99 mines in a 30 by 16 playing field. Selecting a field uncovers a number that indicates how many of the adjacent fields contain mines. This is version 1.1, binary only. Author: Manfred Huesmann FF707

**AmiOmega** Amiga port of the Omega game. Omega is similar to hack or rogue, but is much more complex. There is a city, several towns, a wilderness, lots of dungeons, a multitude of monsters, lots of spells, magic items, etc. There are several quests to complete. All in all, it is an excellent game. This is version 1.5, a different port than version 1.0 on disk 320. Binary only. Author: Laurence Brothers, Amiga port by Klavs Pedersen FF528, FF320

**Amoeba** This clone of Space Invaders is one of the best freely redistributable games for the Amiga to date. Unlike many commercial games, it even works correctly in a multitasking environment (by not requiring you to reboot just to play a game). Highly recommended! Binary only. Author: LateNight Developments FF120

**AmokEdA** highly configurable editor based on Matt Dillon's well known DME. Features a rich command language, an ARexx interface and ARexx based application port, environment variable support, user definable pull down menus, fast scrolling and scroll gad- gets, multiple file editing, iconification, reentrant and can be made resident. Written in Oberon, version 1.30, binary only. Requires AmigaOS2.0 or higher. Author: Hartmut Goebel FF749

**AMon 1.1** Snoop on system resource use. Executable program and documentation. AM19

**amortize** Loan amortizations program in AmigaBASIC. AM11

**AMPlotDemo** A demonstration version of a commercial graph plotting program designed for publication quality plotting of scientific data. The demo allows datasets no larger than 10 datapoints and will not create hard copy plots. Version 2.0, binary only. Author: Andrew Martin, SciTech Software FF737

**AmSCSI** Preliminary documentation for a hardware project to build a SCSI controller board. The design does not support DMA or AUTOCONFIG'ing. Author: Rich Frantz FF66

**AMUC\_Demo** A really neat horizontal scrolling demo that is a 2400 x 200 pixel 32 color IFF picture composed of Digiview snapshots of members of the Amiga Users of Calgary, superimposed on a very wide picture of the Calgary Skyline. Binary only. Author: Stephen Vermeulen and Stephen Jeans FF117

**AMXLISP** Amiga-ized version of the Xlisp interpreter originally by David Betz. V2.00, includes source. By David Betz; Amiga work by Francois Rouaix FF181

**AmyLoad** A graphical monitor of CPU, blitter, and memory use. Includes two components; load, device, which monitors system parameters, and amyload, which is the user interface and display program. Includes source. Author: Jeff Kelley FF111

**AmyVsWalker** Another cute animation from Eric Schwartz. This one has Amy the Squirrel attempting to take a wrench to the a 'Walker' from 'The Empire Strikes Back'. Author: Eric Schwartz FF450

**AnalogJoystick** Software support for use of analog joysticks on the Amiga. Includes a driver, a header file for code that calls the driver, and an example program that uses the driver. Includes source. Author: Dave Kinzer FF247, AC4

**AnalytRim** An integration of the AnalytiCalc spreadsheet (disk 495) and the RIM-5 relational database management system (disk 143). Integrates a spreadsheet with hundreds of functions and 18000 by 18000 cell address space with a complete disk based DBMS and functions permitting one to move relations or selections of relations in either direction between spreadsheet and data- base. In this way large relations can be stored on disk yet accessed as needed in the spreadsheet from whence they can be computed with or plotted. The command language of RIM is fair- ly close to SQL and documents for it are included. Also sup- ports GnuPlot to provide flexible plotting. A minimum of 2Mb of memory is recommended of which 750K must be contiguous. Because the full distribution would not fit on a single disk it has been split onto two disks with disk 593 containing the executable and needed 'keypad' command files and disk 594 containing the source and documentation. Author: Glenn C. Everhart et. al. FF593 & FF594.

**AnalytiCalc** The AnalytiCalc spreadsheet, directly executable. This version features operation with only one window, many '3 dimensional' sheet addressing primitives, and optional execution from icons. Two images are furnished, one for smaller and one for large internal storage (though both have software virtual memory if needed). These images operate OK under AmigaDos 1.2, 1.3, and 2.0. They include code allowing the spreadsheet to be treated as a series of 'pages' so that a cell has a row, column, and (optionally) page, and ranges can be in depth along pages as well as along rows or columns. The mapping is flexible enough so that it can be used to facilitate computing traces of matrices if desired, as well as for more conventional use. Includes source. Author: Glenn Everhart FF495, FF328, FF176, FF144, FF104

**Analyze Templates** 12 templates for the spreadsheet Analyze. AM11

**Analyzer** This program allows data stored in one or more files to be examined as representations of electrical signals either graphically or numerically in the same manner as with a logic analyzer. Screendumps of the display may be produced. Compatible with NTSC and PAL machines. Tested with Kickstart 1.2 and 1.3. Version 1.00 binary only shareware. Author: Andrew Hackett FF576

**AngusCopy** A disk copy program with intuition user interface. Version 2.0, shareware, includes source in Modula II. Author: Andreas Gunser FF455

**AnimalSounds** A sample of digitized animal sounds along with a simple sound player. Authors: The Trumor Company, Inc. Sound Player by Don Pitts FF149

**AniMan** AniMan combines Amiga animation, speech synthesis, and voice recognition, to provide you with an animated talking head that will run any Amiga program by voice command. Ask for an Amiga program by name, and AniMan will oblige. If AniMan becomes impatient, you may be insulted. AniMan will also recite poetry if you ask nicely. It is designed to work with the Perfect Sound 3, Audio Master (Audio Magic), or generic audio digitizers. Also requires 1MB of fast memory. New features include support for AGA and improved performance. Binary only. Author: Richard Horne FF841, FF723, FF712, FF653

**Animate** Tutorial describes animation algorithms, by John Draper. AM2

**Animation? BASICally:** Using cell animation with AmigaBASIC. Author: Mike Morrison AC7

**Animations** Some animations made with Aegis Animator. Includes a player program Author: Aegis Development FF53

**Animations** VideoScape animations of planes and boing ball. AM22

**AnimBallsA** nifty little animation program that allows you to create a collection of balls in three-space and then interactively rotate them in real time using the mouse. Includes source. Author: Jim Guilford FF157

**AnimFader** A small utility to fade screens in and out. Useful for softly fading things like animations recorded on video tape. This is version 1.0 binary only. Author: Andreas Ackermann FF607

**AnimPlayer** An animation reader and displayer that is the result of a consortium of animation software developers, which includes the authors of Videoscape, Sculpt3D, Silver, Forms-In-Flight, and Animator:Apprentice. Includes source. Author: Martin Hash et. al. FF96

**Anims** Some more cute animations from Eric Schwartz. Includes Batman, LateNight, and Terminal. Author: Eric Schwartz FF414

**AniPtrs** Some cute animated pointers. I have adopted one of them as my permanent replacement for the boring red arrow. Binary only. Author: Bob McKain FF332

**Aniptrs2** Some more animated pointers to choose from to live up your display environment. Binary only. Author: Bob McKain, pointer animation program by Tim Kemp FF364

**Aniptrs3** Some more animated pointers to choose from to live up your display environment. Other pointers from Bob are on disks 332 and 364. Binary only. Author: Bob McKain, pointer animation program by Tim Kemp FF394

**Aniso** A small puzzle game for your Workbench screen, similar to the 'Brain game'. Played in a small window containing two 3 by 3 grids. One grid is already filled with numbers between one and four, and the other is empty. The goal is to form an image of the first grid by clicking on squares in the empty grid. Includes source. Author: Barry McConnell FF707

**Annotate** A text editor written for ADos 2.04 only. Takes advantage of Public screens and the system default font. Features include folding, shifting, vertical cut and paste, full clipboard support, macros, scroll bar, editor buffering, printing, text locking and a tools menu. Binary only. Author: Doug Bakewell FF751, FF641

**ANSIA** small CLI utility to convert C source between ANSI and Kernighan and Ritchie function definition formats. Also allows generation of prototypes. No Amiga extensions and should be portable. ncludes C source. Author: Andrew Martin, SciTech Software FF737, FF598

**ansi.txt** escape sequences the CON: device responds to. AM15

**AnsiEcho** Some commands written in assembler. Includes an echo command, touch, list, cls (clear screen), and ask (wait for user input). Author: Dewi Williams FF39

**ANSIED** Demo version of an ANSI screen file editor. It allows you to easily create and modify a screen of ANSI-style text/graphics on the Amiga. The standard ANSI color set (red, green, yellow, blue, magenta, cyan, white) and text styles (plain, boldface, underlined, italic) are provided, and along with some simple editing and drawing functions. This demo version has the save features disabled. This is version 1.3.0. Binary only. Author: Greg Efly FF324, FF221

**ANSIMaster** ANSI editor that provides the full IBM font set and color capability. Very useful for the design of custom ANSI screens/graphics for telecommunications. Version 1.0, binary only. Authors: James Davis and Joe Rattz, Jr. FF378

**AnsiRead2** Bridges the gap between IBM and Amiga ANSI by displaying IBM ANSI text and graphic animations (as usually captured from bulletin boards) in their full intended colors and motion. Includes several samples. Version 0.2, binary only, shareware. Author: Glenn Kauffman FF377

**AntiBorder** CLI window frame remover. Turns your CLI window into the largest possible borderless window that can be displayed on the WorkBench screen. I.E. Creates a 80 x 32 character CLI window for standard PAL Amigas. Version 1.0, includes assembly source. Author: Paul Hayter FF537

**AntiCBS** An animation cooked up by Leo in protest of CBS's coverage of the Hacker's Conference in Oct 88. After reading the transcript I was angered enough to feel this needed widespread distribution, even though it is quite old. by: Leo 'Bols Ewhac' Schwab FF217

**AntiCicloVirA** link virus detector that detects 30 different such viruses. Checks your disk and memory for known link viruses, and can also detect known bootblock viruses in memory. Shareware, binary only. Author: Matthias Gutt FF842, FF815, FF767, FF733, FF710, FF664, FF648, FF611

**AntiLemmin** Another great, humorous, animation from Eric Schwartz. This one was obviously inspired by the wonderful Lemmings game. Lasts a full two minutes and ten seconds. Requires at least 2 Mb of memory. Author: Eric Schwartz FF490

**APalAsm** A Programmable Array Logic (PAL) program based on an old MMI Fortran IV program from the 'PAL Handbook' Second Edition and Third Edition by MMI. This Version (1.00) is completely rewritten for Fortran 77. The outputs produced are sent to separate files instead of the screen. There are plenty of example PAL files to test, inspect, or just to learn what PAL's are all about. The Fortran source is included with the instructions to compile using AC/Fortran version 2.3. Author: Bob Metzler FF432

**ApfelKiste** 'Apfelkiste' is yet another mandelbrot program but very fast and simple to use. It has special assembly

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routines for fixpoint calculation. Includes versions for 1.3 and 2.0 68000 and 68030 each. Full source (C/Assembler) included. Author: Michael Böhnisch FF566

**APIGA** Rexx Programmers Intuition Graphics library is an ARexx external function library similar to RexxArpLib. APiG.LIBRARY provides the ARexx programmer with access to most of the resident Graphic Intuition and Layer library functions. Allows you to create custom screens/windows gadgets requests- ters intuitext borders etc. Binary only. Author: Ronnie E. Kelly FF634, FF629, FF559

**APipe** An 'Amiga pipe' device. If opened for read, it will run the file name as an Amiga CLI command, with the output going to the opening process. If opened for output, it will run the file name as an Amiga CLI command, with output to the opened file sent to the command as input. Author: Per Bojsen FF783, ff601

**Append** CLI utility that allows you to directly append one or more files to another without having to use the roundabout methods necessary with the AmigaDOS join command. Version 1.0, includes source. Author: Oliver Enselsing FF379

**ApplSizer** An Applcon utility to get the size of disks, directories or files. Gives the size in bytes, blocks and the actual size occupied. Requires KickStart 37.175 or higher. Binary only. Author: Gérard Cornu. FF802, FF787

**Appligen** An Application Generator for Superbase III. Create the SBpro DML program's menus without having to do the same work over and over. Creates Superbase DML sources with menus, labels, opening of files, queries, etc. Many user-selectable options (including all SBpro SET commands). Menus can be previewed as Intuition menus or text-menus. Sources and included sub- routines can be syntax checked, and exported as ASCII or '.sbp'-file. Version 1.0 interpreted language source and executable. Author: Ivo Kroone FF646

**APri** A printing utility for the Amiga. Features include full Intuition interface, preview function, page selection, margin setup, line numbering, an AREXX port, a multi-columns mode, 2.0 system release support and more. Both French and English versions. Binary only. Author: Denis Gounelle FF747, FF706, FF628, FF402

**AQData** Information to aid users in updating B. Lennart Olsson's Aquarium Version 1.12 database. Includes information on disks up to number 360. Author: Howard Hull FF369

**AquaPack** This package is a replacement of the old Aquarium program. NewFish, NewAqua and CliAqua support a packed database but are also compatible with the old (unpacked) database. The entire package supports a user configurable database path. CliAqua has the same functions as NewAqua, but is controlled via CLI. It has an interface to install on a BBS. AquaPack is written in SAS-C. NewFish is version 2.71, NewAqua is version 1.01, and CliAqua is version 1.01. Source is available from the author. Author: Silvano Oesch, Paul Witter FF837

**Aquarium** A program for searching through a special database contain- ing information about the contents of the library in order to find programs that match a specified list of conditions. Includes a database of disks 1-550 and two programs to add the contents of future disks to the database one by Silvano Oesch and the other by B. Lennart Olsson. Aquarium version 1.15 Olsson NewFish version 1.13 and Oesch NewFish version 2.6. Binary only. Author: B. Lennart Olsson and Silvano Oesch FF559, FF301

**ar** Text file archive program, C program in C source code and executable. AM2

**Arc** The ubiquitous compressing archiver program that has become the defacto standard for distributing binaries and multi-file postings on most BBS's. This is Amiga version 0.23, a port of arc version v5.0, binary only. Author suggests \$35-\$50 donation. Author: System Enhancement Associates Amiga version by Raymond Brand FF70, FF40, AM8, AM17

**ArchEdge** Intuition interface for several of the more popular archiving utilities such as ARC, ZOO, LHARC and PAK. Includes an Auto-Pad function that will automatically add some morsels for the modern. Version 1.5, includes assembly source. Author: Robert Lang FF362

**Archx** Yet more programs for bundling up text files and mailing or posting them as a single file unit. Author: Martin Minow FF26

**Arcl** A utility that lists your ZOO, ARC and LZH Archives with automatic type detection. Includes german version and documentation. Version 1.0, binary only. Author: Oliver Graf, T.O.M. Software FF535

**ArcPrep** ArcPrep prepares files and/or directories for archival with arc or any other program that can't scan through different directories and/or handle long filenames. V2.1, includes source. Author: Garry Glendonw FF214

**ARCre** Creates rename scripts so that files with long names can be easily archived and de archived correctly by 'arc'. Author: John Hoffman FF53

**arcprep** making 'arc' files E.C. AM17

**AreaCode** Program which decodes area codes into state and locality. Version 1.5. Author: Bill Beogelein FF40

**Restaura** Permits you to restore accidentally deleted files. Works on all Amiga partitions (Floppy, Hard disk and RAD:). Intuition interface where user can select between one of three different languages: English, French and German. Version 1.00, Binary only. Author: Jean-Yves Proux FF60

**Arrex Part II:** Information on how to set up your own ARexx programs with examples. Author: Steve Gilmor. AC7

**ArrexAppList** The ARexx Application List. A list (plain text) of approximately 175 Amiga programs that support ARexx, with brief descriptions of their capabilities. Updates are posted in the USENET newsgroup comp.sys.amiga.applications. Version dated October 15, 1992. Author: Daniel J. Barrett FF754

**ARexxB** ARexxB, inspired by the GaToolsBox by

Jan van den Baard, is a tool which greatly simplifies the design and implementation of an ARexx interface for a program. Provides a graphical in- terface in which to enter the command arguments and results, then creates the C source; one module containing necessary basic functions and another containing the interface stub rou- tines to which you only have to add your code to. This is version 1.00, binary only. Author: Michael Balzer FF745

**ArgoTerm** Yet another terminal emulator program. However, this one is written in macro assembler, so should be of interest to anyone doing serious assembly language development. Version 0.20 Author: Jez San FF12, AM3

**Args:** Passing arguments to an AmigaBASIC program from the CLI. Author: Brian Zupke AC2

**ARoff** A complete and powerful program for text formatting much inspired by the 'nroff' utility on UNIX systems. This is version 1.12. Includes source and documentation in both English and French. Author: Denis GOUNELLE FF583

**Arp** ARP stands for 'AmigaDOS Replacement Project'. Arp is an effort led by Charlie Heath of Microsmiths Inc., to replace the current DOS in a compatible fashion, so that current programs will continue to work. Arp also makes whatever improvements are possible, so that current and future pro, FF53grams will work better. Author: Various authors contributed work FF123

**ArpRequest** A demonstration of how to use the ARP filerequester from AmigaBasic. Author: Andreas Ackermann FF604

**ARPTools** A group of small utility programs requiring ARP, that have been created to address some deficiencies of the ARP CLI environment, especially to exploit the potential offered by non-named pipes in the ARP shell. Version 1.0, includes source. Author: Fabio Rossetti FF284

**Arq** Replaces the standard system requesters with nice animated requesters which you can also attach different sounds to. Works under AmigaDOS 1.3 or 2.0 to give all the normal system requesters a nice new look. Now allows custom animations. Binary only. Author: Martin Laubach, Peter Wleek, and Rene Hexel FF665, FF527

**Arrange** A text formatting program, Executable program. AM3

**arrow3d** Shows a rotating 3 dimensional wire frame arrow. No source available, executable only (downloaded from a Denver BBS). Author: Steve Beats of C-A FF12

**ArticFox.pic** A IFF screen from ArticFox. AM6

**ARTM** Amiga Real Time Monitor displays and controls system activity such as tasks, windows, libraries, devices, resources, ports, residents, interrupts, vectors, memory, mounts, assigns, locks, fonts, hardware and res\_cmds. Shareware, binary only. Author: Dietmar Jansen and F. J. Mertens FF652, FF551, FF327, FF277

**As6502** Contains a portable 6502 assembler, including source in C. Author: J. Van Ornum; Amiga port by Joel Swank FF92

**ASDG-rd** Useful shareware recoverable ram disk. This AmigaDOS device driver implements a completely DOS compatible disk device in memory that survives resets, guru's, and crashes. An absolute must for those with lots of ram. . It now works with up to 8Mb of memory, and is written in assembly. Binary only. By: Perry Kivolowitz, ASDG Inc. FF241, FF58

**ASendPacket** Example program for sending multiple packets asynchronously to a DOS handler, for those interested in implementing programs with a synchronous AmigaDOS file I/O. Author: Phillip Lindsay FF35

**Ash** A ksh-like shell for the Amiga. Some of its features include command substitution, shell functions with parameters, aliases, local variables, local functions, local aliases, powerful control structures and tests, emacs style line editing and history functions, I/O redirection, pipes, large variety of built-in commands, Unix style wildcards, Unix style filename conventions, filename completion, and coexistence with scripts from other shells. Very well documented. V1.0, binary only. By: Steve Koren FF279

**Ash** Pre-release version of a C-shell like shell program. Has history, command substitution, loops, etc. By: Thom Smith FF18

**Ashido** A clone of the commercial game 'Ishido'. You must put 62 tiles with 6 different patterns and 6 different colors on a 12 x 7 board, but only tiles with either same color or same pattern may touch each other. Six different game modes. The best players scores are saved to disk. Version 1.0, includes source in assembly language. Author: André Wichmann FF655

**ASimplex** An implementation of the Simplex algorithm for solving linear programs. It uses the standardized MPSX-format for input data files. Changes include bug fixes, the ability to run from CLI, it's own window for I/O, and some new and improved commands. Includes source. Author: Stefan Forster FF250, FF199

**Ask** questions an 'execute' file, returns an error code to control. AM15

**AskFirst** A software disk write-protection. With the permission of the user, disables floppy writes even on write-enabled disks. Switches to enable/disable states with a gadget. Runs from both WorkBench and CLI. Includes source in assembly. Author: Kamran Karimi FF753

**AskReq** This is another batchfile requester. It displays a message and prompts the user for a string or optionally for a number. It may be also used to request a choice between the specified gadgets. Has a lot of CLI options. Requires AmigaDOS 2.04 or higher. This is version 1.00, freeware, binary only. Author: Hans-Peter Guenther FF827

**AskTask** Allows you to examine various bits of the task structures of all tasks in the system, from the lists attached to ExecBase. Displays priority, state, flags, stack, signals, etc. You can also remove tasks, change the priority of a task, or send arbitrary signals to a task. Version 2/4/89, with source. By J. Bickers FF230

**AskVersion** This little program can be used to check

whether you are running under AmigaDOS 1.3 or AmigaDOS 2.04. You can put it into your startup-sequence to execute a 1.3 bootstrap script. This is version 0.01, public domain, includes source. Author: Hans-Peter Guenther FF827

**Asm** A shareware macroassembler, submitted by the author. Asm is a 68010 macro assembler that is compatible with the assembler described in the AmigaDOS manual. Author: Douglas Leavitt FF50, FF46

**Asm68k** Full featured macro assembler, version 1.1.0, binary only. Well documented. By: W. Wesley Howe FF81, FF69, FF66

**AsmExamples** A couple of assembly code examples. Executables are not extremely useful but the code might be of considerable benefit to beginning assembly language programmers. Author: Henrik Clausen FF155

**AsmFilter** In AmigaBASIC turns the output of the Metacomco disassembler into a file that can be re-assembled. FF105

**ASMOneDemo** A demonstration version of the commercial assembly develop- ment package 'ASM-One' with save disabled. Provides editor macro-assembler optimizer monitor and debugger. Can be controlled via mouse or keyboard. Includes assembly include files and offsettables. Many documented examples provided. V1.02 binary only. Author: Rune Gram-Madsen DMV-Verlag FF556

**AsmProgs** Some misc assembly tools, programs, etc. FF105

**asmsupp.l** Sample library example AM5

**AsmToolBox** An assembler 'toolbox' created to make interfacing between assembler programs and AmigaDOS easy. Includes source. Author: Warren Rijn FF136

**AsmTools** Some CLI type tools, written in assembler (echo, load it, mounted, setlace, why). With source. By: Bryce Nesbitt FF79

**Asokoban** An implementation of the UNIX game Sokoban for the Amiga. Has the original 85 levels of the UNIX game, a nice Intuition GUI, undo and backup functions, and is fully multitasking. Requires Kickstart 2.0. Version 1.1, binary only. Author: Panagiotis Christias FF825

**ASpice** A version of the SPICE 2G.6 circuit analysis program which has been modified to run in the Amiga environment. The program arrays are adjusted to require one tenth the memory of the DEC VAX version. Although this does not usually put much of a constraint on circuit analysis, some users who are used to the full mainframe environment may have to be more aware of the memory demands of their analysis. Requires a minimum of 1 MB memory. This version neither supports nor requires the 68020 processor or 68881 coprocessor. This is Binary only. Authors: Many, see Documentation. Amiga port by Dan Warns. FF278, FF177

**AssemblyDemos** An interesting group of assembly language demos for your visual and aural pleasure. Binary only. Author: Foster Hall FF154

**AssemTools** A collection of files of great interest to Amiga assembly language programmers. The collection includes 140 macro routines which make assembly language programming a lot easier. There is also a library of routines containing buffered C-like file handling functions (fopen, fclose, fgets, fputs, etc) and a file name requester. All routines are re-entrant. Includes source for example programs using the macros and library, and a 65c02 cross macro assembler. Author: Jukka Marin FF247

**Assign** Replacement for AmigaDOS assign command, written in C. Author: Charles McManis FF52

**AssignDev** Assigns multiple names to a given device. For example, allows the names 'd0:' and 'd13:' to refer to the same physical device. This is a modified version of the original released on FF79. Includes source. Author: Phillip Lindsay, mods by Olaf Seibert FF111, FF79

**Assigned** Same code showing how to find out whether or not a name has been assigned (via the DOS ASSIGN command) before using it, thus avoiding the DOS Insert-Disk requester. Includes source. Author: Dan Green FF66

**AssignWedge** An AssignX clone, redesigned from the ground up, which fixes a couple of potential bugs in the original program and is also able to cope with an internationalized operating system. Kickstart and Workbench 2.04 or higher required. Version 1.1, source in 'C' is included. Author: Olaf 'Olson' Barthel FF689

**AssignXA** 2.0-only utility to create assignments when you get a 'Please insert volume' requester. Also lets you cancel the request, forever. Installs by dropping into your WBStartup drawer. Includes source. Author: Steve Tibbett FF487, FF475

**Asteriods** 'blast the asteriods' type game. Unique feature is that all the images and sounds are replaceable by the end user. So instead of ships and rocks, you can have an Amiga against a horde of IBM PC's if you wish. Author: Rico Mariani FF122

**Asteriods** A very nicely done asteriods game. All images and sounds are loaded from disk as IFF files, and can be replaced by the user if desired. This demo version has been partially disabled to keep the player from going past level 5. Version 0.85, shareware, binary only. Author: Mike Seifert FF826

**AsteroidField** This is Michael's entry for the 1988 Badge Killer Demo Contest. It is a large animation of a spacecraft flying madly through an asteroid field (chased by unseen foes) that includes a couple of near misses. Author: Michael Powell FF208

**ASwarmil** A 'high security' Screenblinker commodity (will not burn-in the phosphor even when the CPU is really busy). Based loosely upon Jeff Buterworth's 'xswarm' for X11 Windowing System, it shows from 1-10 'wasps' being chased by 1-500 'bees'. Screen will blank entirely under periods of high CPU usage. Requires Amiga OS 2.04 or better, version 1.3, includes source. Author: Markus Illenseer FF798

**At Your Request:** Using the system-supplied requestors

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

from AmigaBASIC. Author: John F. Weiderhirm AC3  
**ATAP** Adobe Type Access Package allows users of Professional Page (Gold Disk, inc.) and compatible applications to use typefaces available from Adobe Systems or other vendors. Includes AFM and screen font converters, sample AFMs and screen fonts from the Macintosh, and a Macintosh/USA1 keypad. Includes source in C for AFM converter and font unpacker. Author: Gordon Cecyk FF680

**ATbl** A program for table formatting, somehow inspired by the 'tbl' utility on UNIX system. Can produce a printer output (with IBM semi-graphic characters) or a regular IFF file which can be read by any decent word-processing or desktop-publishing program. Binary only Author: Denis Gounelle FF746, FF583

**ATCopy** A program to copy files from the Amiga side of a system equipped with a PC/AT bridgeboard to the PC side using wildcards. Copies directly through the shared memory. Supports CLI and WorkBench usage. Now includes an AREXX port. Share-ware binary only. Author: Peter Vorwerk FF610, FF510, FF458, FF429, FF408

**ATerm V7.2** Term prog. includes Super Kermit. AM17, AM1  
**AtMovies** Another of Eric's cute animations, this one starring his cartoon creation Amy the Squirrel and her boyfriend in some hijinks at the movies. Author: Eric Schwartz FF418

**ATOF** A small utility that allows you to use the fonts of another disk without using the CLI. Version 1.0, binary only. Author: Roger Fischlin FF245

**ATPatch** A program which reportedly will patch the Amiga Transformer for operation under Workbench 1.2 (I don't have one so I couldn't test it). Includes source. Author: Philip Staub FF61

**Atree** A disk utility which imitates similar utilities widely available on IBM compatibles (PC Tools, Xtree, QuickDos, etc). The intent is to allow the user a graphic representation of the entire directory structure on a disk device, including the files in each directory, and the capability of moving quickly through the tree to a directory to access its files. Version 1.7, binary only. By: Don Schmidt FF289

**Attacks** A two player strategy game played on a seven by seven grid modeled after the arcade game called Ataxx. The moves and rules are very simple but the strategy is complex. Includes source in Modula-2. Author: Scott Biggs FF632

**Audiollusion:** Experience an amazing audio illusion generated on the Amiga in Benchmark Modula-2. Author: Craig Zupke AC11

**AudioScope** AudioScope is a realtime audio spectrum analyzer for the Amiga. Use AudioScope to examine the frequency spectrum of any audio signal received through the PerfectSound 3 audio digitizer. Due to the heavy computational load, an accelerated Amiga is recommended. Binary only. Author: Richard Horne FF543

**AudioTools** Demo programs from Rob Peck's article in the July/August issue of Amiga World on accessing the audio device Includes source. Author: Rob Peck FF94, FF84

**AUSH** A command line interpreter for the Amiga. Features include file name completion, pattern expansion, expression computation, command history, for...done loops, full support of Ami- gaDOS 2.0, and much more. Almost fully compatible with ARP and Commodore shells. Binary only. Author: Denis Gounelle FF747, FF706

**AutoActivate** A commodity which activates the window under the mouse- pointer when pressing any key. Requires AmigaOS 2.0. This is version 1.08. Includes german version and source in C. Author: Stefan Sticht FF497

**AutoAddRAM** Allows you to add several non-autoconfig memory boards at once, optionally specifying priority and memory chunk name. This is version 2.03, binary only. Author: Jonathan Potter FF412

**AutoCentre** A utility for AmigaDOS 2.0 that will automatically center any new screens that are opened. This is especially useful when you have an overscanned WorkBench screen under 2.0 but find that a lot of applications still open on a 640 wide screen that is aligned with the left edge of the screen. With this program these screens will be centered as they are opened. Version 1.2 binary only. Author: Colin Bell FF557

**AutoCLI** A 'PopCLI' type replacement that works with WorkBench 2.0 and fully compatible with A3000 & accelerator boards. Always retains the default path and stack, and current directory. Can automatically open CLI/ SHELL windows to 1 pixel less than the current screen size on opening. New functions include spline patterning on blanking, toggle freeze mouse, more function keys, mouse activated screen shuffle, close gadgets on Shell windows, and more as many users have requested. Binary only. Author: Nic Wilson FF642, FF617, FF571, FF567, FF553, FF501, FF424, FF399

**AutoEnquirer** An example of a screen contraption that is like a requester except that it's not quite as demanding, goes where you want to put it, and remembers where it was put. Includes source and Manx'ified version of Chris Gray's fractalish terrain generator as a demo. Author: Howard Hull FF89

**AutoFacc** Autofacc automatically shrinks the ASDG FACC window and moves it to the back. Also allows the number of buffers to be increased or decreased. Most useful from the Startup-Sequence file while booting. Binary. By: Andry Rachmat FF81

**AutoGraf** Collects and graphically displays information on auto mileage. Features miles per gallon cost per mile miles driven highs lows averages etc. Includes a couple of sample data files. Binary only. Author: Joel Swank FF606, FF166

**AutolconOpen** Example code to fool WorkBench into thinking it is receiving mouse inputs that select and open icons. Includes source. Author: Tony Wills FF87, FF73

**Automat** Cellular automata simulation. AmigaBASIC Program. AM3

**Automata** Automata is an extremely versatile, cellular automaton simulation. Virtually every aspect of the simulation can be altered, saved, and later recalled. Also supplies many powerful editing functions (such as patterns, rotations, reflections, etc) for creating and modifying cell configurations. Additional features include editable icons, an immense variety of rules from which to choose, 'music' which changes as the cell configuration changes and methods to speed execution from 3 to 60 (or more) generations per second. Binary only. Author: Jerry Mack FF489

**Automata** Four cellular automata programs. AutomataTron is a one dimensional cellular automaton, Crud is a automation based on a sum index rule, Demon is a cyclic space automation described in the Aug 89 Scientific American, and Life is one of the oldest and best known of all cellular automata. Includes source. Author: Gary Teachout FF249

**AutoPoint** Autopoint serves two functions: It automatically selects the window underneath the mouse pointer and it provides a very nice screen saver facility. Binary. By Jude Katsch FF86

**AutoPort** A software switch that makes it possible to use a trackball or mouse plugged into the first mouseport together with another trackball or mouse in the second port as if they were two input devices plugged into the same first port. Version 1.1 includes source. Author: Bernd (Koessi) Koessling FF609

**AutoRequester** example. AM14  
**AutoRev** A little utility to make it easy to update program-headers ran from the CLI. Requires AmigaDOS 2.0. This is Version 1.1r. Source included. Author: Jan van den Baard FF502

**autorqstr.txt** Warnings of deadlocks with auto requesters. C program. AM4

**AutoRunner** Automatically executes a CLI command line when you insert a disk into a drive. All you do is put a special tag at the beginning of a comment in the disk's root directory. After the comment tag, you put a normal CLI command line. AutoRunner then executes this command when the disk is inserted. Version 2.0, Pascal source included. Author: Jonathan Maxwell FF744

**AutoSave** A small program which calls an AREXX script at regular intervals, controlled through a Workbench window. Although intended to provide an 'AutoSave' function for applications, the script can do anything. Includes C source, which demonstrates simple use of GadTools and the timer device. Requires Kickstart 2.0 or later. Author: Michael Warner FF771

**AuxHandler** Example of a DOS handler that allows use of a CLI via the serial port. Includes source. Author: Steve Drew FF79

**AvailMem** A small free memory counter that continuously displays the amount of (and size of the largest block of) free chip, fast, and total memory in bytes (as opposed to K). This is version 1.12, a Workbench 2.0-compatible upgrade to version 1.03 on disk 285. Includes source. Author: Dave Schreiber FF496, FF285

**AvlAn** Amiga work-alike version of the UNIX vi editor. Though not especially recommended for beginners, designed for those of you who may have the vi commands permanently hard-coded into your fingertips! V1.0, binary only. By: Peter Nestor FF162

**AVLSort** A text file sort program, based on a general purpose AVL package by Mark Mallett (included). Handles as many lines as will fit in memory. Includes source. Author: Robert Pyron, Mark Mallett FF519

**AvlTrees** Library and test program that implement routines for creating and using balanced binary trees (AVL trees) held entirely in memory. Includes source. Author: Paul Vixie FF103

**AWP** This program animates any wait pointer like the one in WorkBench 2.0. It installs a vertical blank interrupt to minimise CPU usage and is written 100% in assembler for maximum efficiency. It uses two hands for the clock, like it should be, and has nine different user selectable speeds. Requires AmigaOS 2.0. Version 1.0, binary only. Author: Damian Cox FF544

**Az** A nice little text editor that is fast, simple to use, and very Amiga'izedlots of new features, bug fixes, and other improvements. Binary only. By: Jean-Michel Forgeas FF346, FF228

**AZap** A 'new generation' binary editor able to edit files, memory, or devices like hard disks. It can open several windows at the same time, handle FFS/OFS file systems, and has a lot of functions (fill block, compute checksum, base conversion, etc.). Includes both a French and an English version. This is version 1.00, binary only. Author: Denis Gounelle FF759

**AZComm** Modified version of Comm 1.34 that contains Zmodem send, receive, and resume receive. Version 1.00, Binary only. Author: SS. Patel, based on Comm 1.34 by DJ James FF171

**AzMake** A work environment for Aztec C. You can compile assemble link print etc your programs by clicking a gadget. Typing in the Shell is out. Version 1.1. shareware binary only. Author: Christian Friedel FF586

**AztecArp** An Arp interface package fixed to work with Aztec 'C' version 5.0. Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF436, FF376, FF353

**AztecErr** A Manx quickfix support program. If you use the quickfix option of AztecC version 5.xx, you can set CCEDIT to this program. It opens a window which displays all errors one after another. It also has an AREXX port and a gadtools user interface. This is version 1.25. Removed some enforcer hits and is now font independent. Requires AmigaDOS 2.04 or higher. Freeware, binary only. Author: Hans-Peter Guenther FF827, FF761

**Back2** programs to assist users of Matt Dillon's Backup/ Restore program in making error-free VERIFIED backups onto floppy disks and useful as a trackdisk device example. With source. By: Stephen Vermeulen FF284

**Back&Front** Sends a window to back or brings it to front with defined actions. For example put a window in front by double- clicking in it and send it back with the middle mouse button. Any keyboard or mouse event can be trapped. Number of required actions can be changed (double-click vs triple- click). Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.03. Includes german version and source. Author: Stefan Sticht FF497

**Backcoupling** A simulation of screen-camera-backcoupling. Generates a series of backcoupled pictures out of a start picture. You can change several parameters, such as sharpness, rotation angle and signal translation. Includes both German and English versions. Version 1.0, binary only. Author: Michael Gentner FF679

**BackDrop** Backdrop allows you to define a pattern which will then be displayed on the workbench screen in the normally empty area behind all the windows. Similar in concept to DropCloth, but this one does not require workbench to be loaded (and does not inhabit very well with workbench). Includes source. Author: Eddy Carroll FF216

**BackGammon** A graphical Backgammon game done as an undergraduate A.I. course project. Version 1.0, includes source. Author: Robert Pfister FF120

**BackGammon** The computer version of the game. This is a tiny little game which runs on Workbench. Works on all Amigas, and OS versions from 1.2 to 3.1. Version 0.9, freeware, binary only. Author: Igor Druzovic and Daniel Amor FF849

**Backgammon** Another game in ABaSiC by the author of Monopoly. Author: David Addison FF28

**BackPac** Demo version of a new backup program. Features include intuition interface, data compression, 907K written per floppy, full and incremental backups, full or selected restores, inclusion/exclusion patterns, user defined config files, multitasking friendly. Version 1.3, binary only. Author: Canadian Prototype Replicas FF447

**BackUP** A freely distributable, shareware hard drive backup program that features a custom intuition interface, multi-floppy drive support, high-density drive support, incremental/full backups, on-the-fly compression using l.h. library, optional verify, two types of backup logs and a restorable configuration. BackUP requires Workbench 2.0. Binary only. Author: Felix R. Jeske FF767, FF724

**Backup** A simple backup program that writes normal AmigaDOS disks as the backup destination. To recover files, you just copy from the backup disk. Requires manual decisions about what subdirectories to backup to what disks to make everything fit. Includes source. Author: Alan Kent FF98

**Backup** Backup and Restore allow you to backup any directory tree with optional compression, and later extract all or part of the tree. The protection, date, and file comment are saved with each file. Author: Matt Dillon FF434, FF258, FF168 & 169

**Badger** Reminder program for your startup-sequence. Badger will open a window and display any important events that are 'due'. Badger will not bother you if there is nothing to report. Events are entered via menu and prompts. Includes many new features such as event editing and automatic holiday notification. Shareware, binary only. Author: George Kerber FF543, FF432, FF365  
**BaldricDemo** Demo version of a commercial platform style game. Works with PAL or NTSC. Binary only. Author: Lindsay Whipp FF657

**Ball** Draws a ball, an AmigaBASIC Program. AM8  
**Balloon** This animation with sound effects is Dave's entry to the 1989 BADGE Killer Demo Contest. Binary only. Author: Dave Schreiber FF272

**balls** Simulation of the 'kinetic thingy' with balls on strings where only the end balls move (quick, can YOU come up with a better description?). Anyway, cute. Author: Perry Kivolowitz FF1

**Ballylliv** Amiga port of the former arcade game named Click. This version fixes some minor bugs and is faster than the previous versions. This is version III. Binary only, shareware. Author: Oliver Wagner FF232, FF221, FF205, FF181

**BambooTiger** BambooTiger in LoRes FF72  
**band** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**banjo** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Bankn** A complete checkbook system offered by the author as shareware. Version 1.5, binary only. Author: Hal Carter FF163, FF120, AM20

**banner** Prints horizontal banner (across screen). From Decus C distribution of several years ago. Author: Unknown FF4

**BasicBoing** An AmigaBASIC program which shows animation by page flipping. Precalculates all views of a rotating 3Dimensional cube and then cycles through them rapidly for animation Author: Arthur Blume FF43

**BasicProgs** Some more AmigaBASIC programs. LeastSquare solves least squares problems and graphs the results. Curves is a demo of one use for LeastSquare (find curves to fit a set of points). Freud is a Freudian analysis program. Includes source, needs AmigaBASIC from Extras. Author: George Trepal FF105

**BASICSorts** Examples of binary search and insertion sort in AmigaBASIC. AM22

**BasicStrip** An AmigaBASIC program that helps to convert programs written in other forms of Basic to AmigaBASIC. Author: George Trepal FF121

**bass guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Batch Files:** Executing batch files from AmigaBASIC.

# Freely Redistributable Software

Author: Mark Aydelotte AC4

**BatchMan** A program that allows the user to execute CLI programs and batch files simply by clicking on a gadget. It can be used as the center of a turnkey system, where the user simply clicks on gadgets to launch applications. Version 1.1, includes source in Modula-II. By: Michal Todorovic FF325

**BatchMaster** A program that makes creation of interactive command scripts a lot easier. It works as commands ASK, IF and SKIP together, only better. You can have up to four options to skip to, and select them with a mouse, as BatchMaster has an Intuition interface. This is version 1.27. Requires arp.library. Binary only. Author: Janne Pelkonen FF521

**BatchRequester** A simple program which opens an Arp filerequester and writes the result to an environment variable. Very useful if used in batchfiles. Version 1.1, source code in Oberon. Author: Christoph Teuber FF436

**BattleForce** A nicely done shareware game, submitted by the author, that simulates combat between two or more giant, robot-like machines. Binary only. Author: Ralph Reed FF273, FF205

**Bawk** Text processor inspired by the UNIX Bawk utility. Bawk searches files for specific patterns and performs actions for every occurrence of these patterns. The patterns can be regular expressions. The actions are expressed using a subset of the C language. With C source. By: Bob Brodt; Amiga port by Johan Widen FF92, FF65

**Base2View** A Base-Viewer for Databases created with BBase2. Advantages are faster database processing, viewing and more. Includes a print option for single records. Requires Amiga OS2.0, version 1.00, binary only, shareware. Author: Michael Bialas FF766

**bBasell** A simple database program using an intuition interface. Stores, sorts and searches for information. Limited to 9 fields in each record. Features include fast sorting, search in any field, mailing label support, and best of all, it's really easy to use. Enhancements include a 270% increase in storage capacity, range search, and add or delete a file. Binary only. Author: Robert Bromley FF710, FF652, FF609, FF563, FF491

**BBBBB** Baud Bandit Bulletin Board System. Written entirely in ARexx using the commercial terminal program 'BaudBandit'. Features include up to 99 file libraries with extended filenotes, up to 99 fully threaded message conferences, number of users, files, messages, etc. are only limited by storage space, controlled file library and message conference access for users and sysops, interface to extra devices like CD-ROM and others, all treated as read only, complete Email with binary mail and multiple forwarding, user statistics including messages written, files uploaded or downloaded, time, etc, plus much more. Works under Amiga OS 1.3 and greater, tested through 3.0. Includes complete ARexx source. Author: Richard Lee Stockton FF771, FF745, FF729

**BBBF** The BootBlock.library/brainfile is an attempt to make life a little bit easier for programmers of anti-virus utilities, diskcopy programs, directory utilities, disk packers and for whoever who wants to check the bootblock of some device. The library has some easy-to-use functions to read the brainfile, and to check a bootblock with it. Version 0.95 beta, brainfile recognizes 158 different viruses. Includes sample source. Author: Johan Eliasson, SHI member. FF797

**BBChampion** This is BootBlockChampionIII, a very nicely done program that allows you to load, save, and analyze any bootblock. V3.21. New features include checks for five different LAMER viruses. Binary only. By Roger Fischlin FF298, FF244,

**BBFormat** A floppy disk formatter for diskettes with hard errors. Bad media areas are mapped out so AmigaDOS will not use them. Presently not intuitionized, runs from CLI only. Version 5/7/91, includes source. Author: David Varley FF493

**Bbm** Demo of B.E.S.T. Software's Business Management System. A full implementation with file sizes reduced for demo purposes. By Business Electronics Software & Technology Inc. FF43

**BBS** A BBS for the Amiga (BBS-Amiga Version 1.1). Author: Ewan Grantham Author's suggested shareware donation: \$25 FF30

**BbsList** A list of Bulletin Board Systems which support the Amiga. The list was compiled from a list on Delphi, Compuserve, bathroom walls, etc. Author: Dick Sheffold FF43

**BCBMusic** This is the second set of original music in the BCBMusic series. This set includes the songs 'Still Waiting', 'Transpose', and 'Trilogy'. Like the first set (on disk 428), no player program is required since it is actually compiled in with the song. These new songs include a new equalizer-style graphic display which can be toggled on and off. WB2.0 compatible, binary only. Author: Brian C. Berg FF538, FF428

**BCBMusic** This is the third set of original music in the BCBMusic series. This set includes the songs 'Reactance', 'DreamScape', and 'Transition'. Like the first two releases (on disks 428 and 538), these songs are self-playing with no additional player programs required. WB2.0 compatible, binary only. Author: Brian C. Berg FF763

**BCF** FORTRAN-77 compiler, linker, and runtime support library. No Amiga specific hooks, just vanilla FORTRAN. ANSI compatible with extensions. Version 1.3c, binary only. Author: Andre Kostli FF470

**BCount** A utility to count files, directories, hardlinks, and softlinks for a given root directory. Requires Amiga OS 2.04. This is version 1.12, binary only. Author: Norbert Bazin FF716

**Beach** A great new animation from Eric Schwartz. In 'A Day at the Beach' Flip the Frog and Clarisse the Cat head out for a day at the beach where they run into MoonDoggie. Needs 3Mb or more of memory. Part 1 is on disk 617 &

Part 2 is on disk 618. Author: Eric Schwartz FF617 & FF618

**BeachBirds** Jerrold Tunnell's entry to the Badge Killer Demo Contest. Uses sprites and sound to portray a beach scene. Runs on a 512K machine. Binary only. Author: Jerrold Tunnell FF112

**BeBopDemo** A demonstration version of the commercial game BeBop 'N Drop. BeBop 'N Drop is a real-time graphical arcade puzzle game, a greatly enhanced version of the popular shareware game Obsess-O-Matic. The object is to fit the falling pieces together in such a way as to form complete horizontal rows, which will then disappear off of the board. BeBop 'N Drop contains 77 different levels of play, each with a different shape board. The game contains over 800 different playing pieces, more than 450K of digitized sound, and many interesting visual effects. Binary only. Author: Wayne Phillips FF550

**beep** Source for a function that generates a beep sound, like CTRL-G on a VT100 terminal. Author: Samuel Dickler @ Commodore-Amiga FF14

**bells** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Berserk** This animation, unveiled at the September 87 meeting of the First Amiga Users Group, got Leo a standing ovation. It is a 'must see' for every Amiga user, and ranks up there with 'Juggler' as a premier demo for the Amiga. The difference between this distribution, and the one on disk 100, is that this one includes 'source'. I.E. it contains all the object descriptions necessary to recreate the animation. Thus you can, if you like, try modifying various objects to create slightly different animations, or use it as an example for creating your own animations. Seldom does a disk get devoted to a single program, however animation is one of the Amiga's greatest strengths, and I felt it was appropriate to have at least one animation that was available at the 'source code' level. Author: Leo Schwab FF132, FF100

**Berserker** Detects and eliminates viruses. Knows all 'popular' viruses and their kin, including the new 'Centurion' and 'Traveling Jack' link viruses. Comes with a resident handler which continually checks memory to prevent virus infection and a utility to fix programs corrupted by the 'Centurion' and 'Traveling Jack' viruses. Contains partial source in assembly. Author: Ralf Thanner FF436, FF355, FF280

**Bertrand** A graphics demo. AM8

**Better String Gadgets:** How to tap the power of string gadgets in C. Author: John Bushakra AC4

**Bezier** Simple programs to allow you to fool around with Bezier curves, using the mouse to move the points that define the curve and a prop gadget to change the granularity of the curve generation loop. Includes source. Author: Matt Dillon FF75

**BFormat** Formats disks that have media (or hard) errors on them and allocates them as used, making the rest of the disk usable. Similar to BBformat on disk number 493, but apparently independently authored. Supports FFS, OFS and most devices, including hard-drives. Version 4.0, includes source. Author: T.A.Nery, R.W.Bowers, Bob Bush FF758

**bgrep** Another grep like utility, also using the Boyer-Moore algorithm. Author: Roy Mongiovi and Arnold Robbins FF4

**BI** A brush to C code image converter. Contains bug fixes and support for AmigaBasic. Binary only. Author: Terry Gintz FF375, FF184

**BICS** Boot Intro Construction Set is a tool to create a small intro on the bootblock which will appear if you insert the disk for booting. This is version 1.10 a fully rewritten update to BootIntro on disks 244 and 245. Binary only. Author: Roger Fischlin FF630

**BigBrother** A virus infection detection program with some optional utilities. It runs as a normal task and checks every 1 second the important memory locations in the Amiga. As a bonus, BigBrother is capable of starting a new shell, starting script files, viewing and installing bootblocks. All this in a program less than 10K. Includes assembly source. Author: Erwin van Breemen FF473

**Bigmap** Program which demonstrates how to use the low-level graphics calls. ScrollVPort especially. Demonstrates scrolling around inside a very big bitmap. Author: Leo Schwab FF33

**BIGMec** A shareware utility that displays the current available amount of memory, the memory available when BIGMec was started and the difference between those. The amounts can be displayed in HEX/ DEC and BYTE/ KILO/MEGA. BIGMec can be started from Workbench as well as from CLI. Version 1.0, binary only. Author: Sandi Tomsic FF797

**BigView** Displays any IFF picture, independent of the physical display size, using hardware scroll. Default display size is 320 by 200 in lo-res; HIRE or LACE attributes added if user width/height exceeds low resolution boundaries. Includes source. Author: John Hodgson FF58

**Bind** A binding (glue) library builder. Takes a standard '.ld' (function definition) file and generates a binding library for the functions defined in the '.ld' file. Binary only. Author: Bill Barton FF309

**BindNames** A solution to the problem of having to continually edit your startup-sequence to add assignments for logical variables when you add a new program. BindNames will read one or more files in a special directory and then create all the logical assignments at once and it can figure out dependencies, so it doesn't matter how you order the entries in the file(s). It will create directories that it can't find, such as RAM:Env and RAM:T and will generate warnings for assignments that it can't resolve. Version 1.0, includes source, public domain. Author: Dave Haynie FF784

**BinToHunk** A utility to convert a raw data file (text bitmapped image etc.) into an Amiga Hunk format object

file that can be linked using Blink. This is version 1.0 includes source. Author: Ray Burr FF579

**Bio-feedback/Lie detector Device:** Build your own lie detector device. Author John Iovine. AC9

**BioComp** A program that computes the biorhythmic compatibility of two persons. Uses an intuition interface and allows the printing of the results. Version 1.13, binary only. Author: Gérard Cornu FF741

**BioRhythm** An intuition based easy-to-use program that shows your 3 basic BioRhythms plus the average 'rhythm'. Take a look, dump it to your printer and make your plans for 'when to do what'. This is version 1.0, binary only, PAL version. Source available from author on request. Author: Thomas Amfeldt FF759

**Bison** A replacement for UNIX 'yacc' command. This is from the GNU (GNU is Not UNIX) effort. Contains updates to the version on FF136, submitted by two separate sources. Includes source. Author: Bob Corbett and Richard Stallman, updates by William Loftus and Scott Henry FF155, FF105, FF136, FF51, FF4

**BizCalc** A do-it-all user friendly loan calculator that calculates weekly and biweekly loans. Can generate amortization tables to the screen, to the printer, or to a file. Uses menus, buttons, or keyboard commands, and iconifies. Has six decimal precision option and more. Binary only. Author: Michel Laliberte FF535, FF493

**BlackBook** Keeps track of those important phone numbers and addresses. Shareware, author suggests \$30 donation. Author: Craig Nelson FF70

**BlackBox** The black box is an 8x8 grid in which several 'atoms' are hidden. Your job is to find the atoms. You have at your disposal a ray projector which you can use to send rays into the box from any of the 32 spots around the box. Binary only. Author: Tim Kemp FF178

**BlackHole** A file deletion utility for v2.04 and greater of the operating system. When run, it puts an appicon on the Workbench screen. Any file/drawer icons that are dropped on it will be deleted. Double clicking on the appicon brings up an options window. Version 1.1, includes source. Author: Alan Singfield FF662

**BlackHole** A little utility that acts like a 'super-trashcan' and adds an appicon to the Workbench backdrop window. As such BlackHole requires AmigaDOS 2.0. You can drag file or drawer icons onto the Black Hole and you will then be asked if you really want to delete the items. Version 1.0 binary only. Author: Parsec Soft Systems FF586

**BlackJack** A blackjack simulation program with the ability to simulate nearly any casino blackjack game in the world. Allows the use of the most popular playing strategies and modifications to them. Has color coded strategy tables to enhance the learning of the strategy. Tracks basic statistics such as number of hands played, bankroll limits, casino profitability and others. Allows from 1 to 7 players, including the computer. Has online help, a demo mode, and a special practice mode. Version 1.01, shareware, binary only. Author: Dan Cogliano FF427

**BlackJack** A line oriented (no graphics) blackjack game. Author: Unknown FF19

**Blankette** VERY tiny screen blinder/dimmer. Very nice on your system, very little CPU time, compatible with just about everything. Dims screen rather than going black. Includes assembler source. Author: Max Bithead FF475

**Blink** A linker written as a replacement for Alink. Fully Alink compatible and supports many additional options not found in Alink. Also is much faster than Alink and produces smaller executable files. Version 6.5. Author: Combined efforts of the Software Distillery FF40, FF34, AM12

**BlitThis** animation is Richard's entry to the 1989 BADGE Killer Demo Contest. An interesting feature of this animation is that it uses the Copper to show the lower right corner of the screen in Hi-Res, while leaving the rest of the screen in Lo-Res. Binary only. Author: Richard Addison FF276

**BlitDemons** This program implements the Demons cellular automaton as described in the August, 1989, issue of Scientific American. Using extremely simple rules it exhibits rather complex behaviour. Uses the blitter to perform over 350,000 cell- generations per second. Version 1.0, includes source. Author: Walter Strickler FF256

**BlitLab** Blitlab is a program which lets you experiment with the blitter, to your hearts content, in relative safety. It opens a workbench window with gadgets for all the registers of the blitter, and allows you to manipulate individual registers and perform blits on a magnified bitmap. Includes source. Author: Tomas Rokicki FF191, FF84, FF69, AM20

**Blitt** A graphic utility to help blitter-programmers with Minterms. Reads a standard IFF picture for experimentation and writes out any results if required. Version 1, binary only. Author: Paul Juhasz FF761

**BlitterSand** An interesting cellular automata program that gets its roots from a 'sandpile'. Intriguing to watch. Includes assembly source. Author: Mike Creutz FF387

**Blitz Basic:** Here are some examples created with M.A.S.T.'s integrated BASIC environment. Author: Paul Castonguay AC13

**Blitz** Blitz is a small program that is designed to be loaded into memory and that sits in the background until activated by its hot key. It allows you to view a text file, much like a TYPE command, only that it lets you move forwards and backwards through the file. Its screen updates are blitz'n. Binary only. By: Hayes Haugen FF60

**BlitzFonts** Blitzfonts makes text output up to 6 times faster, transparently to well behaved programs. It is also very small and written 100% in assembly for maximum speed. Binary only. Author: Hayes Haugen FF60

**Alka** requester making tool employing various recursive algorithms including a recursive parser. It takes input text files and converts them to C-source for including as requester declarations. Includes source. Author: Stuart

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Ferguson FF191, FF152

**Blob** Another screen hack. Makes red drops of slime flow down your screen. Version 1.1, includes source in C. Author: Guido Wegener FF358

**Blobs** A simple graphics program, reminiscent of the UNIX 'worms' program, but in color of course. By: Peter Engelbrite FF15

**Blocks2** Amusing and colorful display of a moving trail of 'blocks'. Author: Gary Walker FF156, FF71, AM1

**bm** A grep like utility using the Boyer-Moore algorithm. Author: Peter Bain FF4

**BMake** A GNU Make subset. Includes pattern rules, conditionals, 'include', function calls, etc. This is Version 1.4, with source. Author: Ben Eng FF523

**BMAP Reader** by Tim Jones. AM14

**BMon** System monitor AmigaBASIC program; perform simple manipulations of memory. AM24

**BMP** plays 8SVX sampled sounds in the background while something else is happening in the Amiga, as your Amiga is booting, for example. AM26

**BNTools** Three examples of assembly language code from Bryce Nesbitt: AM24

**BobEdBOB** and sprite editor written in C. In C source code, executable program and documentation. AM20

**bobtest.c** BOB programming example. C program. AM5, AM4

**Boing!** Boing! demo, with selectable speed. Executable program. AM9

**BoingDemo** Demo version of a neat game due for release in March 1990. It is fully functional but the play time is limited to five minutes per play. Version 0.30, binary only. Author: Kevin Kelm, Alternate Realities FF335

**BoingMachine** A ray-traced animation of a perpetual motion Boing-making machine, includes the latest version of the Movie program, which has the ability to play sounds along with the animation. By Ken Offer. AM24

**BoingThrows** A 50 frame HAM animation done with Sculpt-3D, and minor touchups with DigiPaint. The animation took about 325 hours of runtime to generate. Author: Marvin Landis FF134

**bolnk** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Bomber** Amiga version of the Macintosh game called 'Bombs'. This is version 1.2. Requires OS 2.0. Includes source. Author: Michael Balzer FF566

**BonAppetit** Bon Appetit is a recipe database manager that automates recipe collections and allows for far more flexibility than regular index cards. You can search for recipes by title, keyword, or ingredient. You can import recipes in BonAppetit's own format or 3 popular MS-DOS formats, so you can quickly build a recipe collection. Includes complete recipe utilities and 24 recipes to get you started. Version 1.3. New features include recipe browsing, mass export, less cryptic error messages, and many bug fixes. Shareware, binary only. Author: Boris Shor FF686

**BootBack** A handy little utility to copy and save the boot block from a disk, then later restore it should the disk get stomped on by some ugly virus. Includes source. Author: David Joiner FF157

**BootBase** Another bootblock save/restore utility. Includes an auto-compare function. Includes source. Author: Steven Lagerweij FF363

**BootBlocks** Detailed documentation on what a bootblock is and how it works, along with some sample bootblocks and a program to install a custom bootblock. Includes source for the sample bootblocks and the install program. By: Jonathan Potter FF242

**BootCACHE** Utility to turn off the 68020/68030 instruction and data caches upon rebooting. This improves chances of old programs (especially games) working on Amigas with one of these processors (e.g. the A3000). Version 1.0, includes source in assembly. Author: Nico Francois FF418

**BootGames** Two tiny games which fit on the bootblocks of a boot disk. BootOut is a Breakout style game and Squash is a squash type game (just like on those old TV games). BootOut V5.X and Squash V4.3. Includes assembly source. Author: Paul Hayter FF537

**BootGen** This program creates a bootmenu. You simply enter the name of ten programs and the program will do the rest. When you boot the disk a menu will appear where you can choose one of ten program names, which automatically will be loaded. Version 3.4, binary only. Author: Frank Enderle FF533

**BootIntro** This program creates a small intro on the bootblock of any disk, which will appear after you insert the disk for booting. This is the 'next generation' BootIntro, a more colorful version than the one on disk 244, but the text must be shorter. The first line can be up to 24 characters. The second and third lines can be up to 22 characters. The scrolling text can be up to 98 characters. This is 'next generation version 1.1'. Binary only. Author: Roger Fischlin FF245, FF244, FF188

**BootJob** The BootBlock Utility. Includes functions to store, install, view, or execute any disk bootblock. Also self-made bootblocks can be installed to disk. The most powerful function is to save any bootblock as an executable CLI-File. Now you can start every boot-util, viruschecker, game, or loader from the CLI. Also included is a drawer with 46 different bootblocks. BootJob requires Amiga OS2.x. This is version 1.30. Shareware, binary only. Author: Michael Bialas FF814, FF760

**BootLogo** Designed for machines displaying a white screen during boottime. Displays a nice picture that automatically terminates as soon as the first window is opened during the boot process. Requires AmigaDOS 2.0 or higher. Version 1.0, binary only. Author: Markus Illenseer FF754

**BootPic** BootPic allows you to install nearly any IFF picture that you like in place of the WorkBench hand that appears after a reset, and additionally plays a MED-Module. Includes source in assembly. Author: Andreas Ackermann FF718, FF635, FF609, FF532, FF484

**BootX** An easy to use boot, file and link virus killer. For use with KickStart 2.0 only. Has lots of options to detect and kill Amiga viruses, extensive manual, locale support and AmigaGuide online help. Binary only. Author: Peter Stuer FF703, FF641, FF560, FF542, FF420

**Bounce** This program is Steve and Tom's entry for the Badge Killer Demo Contest. It creates little dots that bounce around and multiply. With source. By: Steve Hansel and Tom Hansel FF127

**bounce** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Bouncer** A 3D simulation of a bouncing ball written in Creative Solutions' Multi-Forth, with source included. By: Jon Bryan FF67

**Bowl** This is Vern's entry for the 1988 Badge Killer Demo Contest. It is a Script-Animate animation that shows three colored balls flying in circles above a mirrored bowl. Rendering the animation took about 2 weeks. Distributed in zoo format because of its size (zoo program included for easy unpacking). By: Vern Staats FF209

**box** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**BPDI** Demo version of a new strategy game written in GFA-BASIC. German version only. Binary only. Author: Dirk Hasse FF411

**Brain** A small multitasking game which is made for entertainment during compiling/linking. Your task is to create a formation of numbers from 1 to 4 given randomly by the computer. If you click on an empty plot, a '1' will appear and all neighbours will raise their numbers by one. Version 1.01, includes source. Author: André Wichmann FF652

**BreakOut** A 3D game. Requires 3D glasses. By Tim Kemp FF50

**Bref** A cross reference program for AmigaBASIC code. Generates a list of the BASIC code with lines sequentially numbered, plus a table showing all variables and labels used in the code, and the line numbers where they were used. This is a major revision, including a new intuition interface. Includes source. Author: Dick Taylor FF494, FF283

**Breshehan** A Forth program which produces a Breshehan circle algorithm example. AM11

**BrickOut** Classic computer brick wall game, ABasic program. AM1

**brickout** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Bridging The 3.5"** Chasm: Making Amiga 3.5" drives compatible with IBM 3.5" drives. Author: Karl D. Belsom. AC9

**Brik** A general purpose program that calculates both text and binary cyclic redundancy codes (CRCs). Text mode CRCs calculated by brik are portable across systems for files that are in the usual text format on each system. Binary mode CRCs are portable for files that are moved from system to system without any change. Brik can be used to verify and update an embedded checksum header in files. It runs under MS-DOS, UNIX system V, BSD UNIX, VAX/VMS, and AmigaDOS. This is version 2.0 and includes source. Author: Rahul Dhesi FF233

**Brownian** A demo based on both fractal theory and brownian motion. Includes source. Author: John M. Olsen FF206

**Browse** View text files on a disk, using menus in source code and executable, a C program. AM8

**Browser** A 'Programmer's Workbench'. Allows you to easily and conveniently move, copy, rename, and delete files & directories from a CLI environment. Also provides a method to execute either Workbench or CLI programs by double-clicking them or by selecting them from a ParM like Menu with lots of arguments. A Browser 1.6 replacement, does everything Browser 1.6 does and a lot more. Version 1.0, includes source in C. Author: Sylvain Rougier, Pierre Carrette FF540, FF476, FF180, FF134

**Browser** A program that lets you wander around a file tree and peek into files, all with the mouse. Author: Mike (I'll be mellow when I'm dead) Meyer FF18

**Browser** Another version of the browser program released on disks number 18 and number 34. Includes some bug fixes and enhancements. Includes source. Author: Mike Meyer, enhancements by Mark Schretlen FF59

**Browser** This one has been 'manifiled', has scroll bars, and several bugs fixed. Author: Mike Meyer, enhancements and fixes by Bob Leivian FF34

**Browser2** This browser type program is apparently not based on the original Mike Meyer version. Binary only. By Dan Green FF59

**Browser!** A 'Programmer's Workbench'. Allows you to easily and conveniently move, copy, rename, and delete files & directories using the mouse. Also provides a method to execute either Workbench or CLI programs by double-clicking them or by selecting them from a ParM like Menu with lots of arguments. Uses whatis.library to detect file types and executes commands based on these. Version 2.13 for AmigaDOS 1.3 and 2.31 for AmigaDOS 2.0 (localized). Binary only. Author: Sylvain Rougier and Pierre Carrette FF843, FF649

**Bru** Alpha 1 version of a hard disk and/or file archiver written for UNIX. This is a vanilla port, with very little Amiga smarts, but it is usable. Last freely redistributable version. By Fred Fish FF48

**Brunjes** Various tools submitted together by the author. StringPkg is string package for both Forth style and NUL terminated strings. Date&Time are handy tools for getting and printing formatted date and time. Utis are utilities used by the other files. CursorControl is an example of moving the text cursor. SpaceOrEscape is a handy word for pausing or stopping program output. Includes source code.

Author: Roy Brunjes FF239

**Brush2C** Brush2C converts an IFF brush to C data instructions, initialization code. Executable program. AM9

**Brush2Icon** Brush2Icon converts an IFF brush to an icon. Executable program. AM9

**Brush\_4D** Converts IFF images into Sculpt 4D object format. Works with any IFF image, including HAM & Extra Halfbite. Convert brushes in full color, with optional wrap, to 3D shapes. Also includes optimization routine. Version 1.00, shareware, binary only. Author: Bruce Thomson FF361

**Brushes** Contains 53 custom brushes for use in DPaint while drawing schematics. Includes things like resistors, capacitors, gates, transistors, IC pacs, etc. Author: Jim Lee FF81

**BrushIcon** Converts brushes to icons (bizarr docs). AM25

**brushtoBOB** Converts small IFF brushes to AmigaBASIC BOB OBJECTS, an AmigaBASIC program. AM11

**bsearch.asm** Binary search code. Assembler program. AM2

**bsh** A powerful advanced shell and interpretive programming language. Runs on AmigaDOS 1.2 AmigaDOS 2.1. Major features include command history, command line editing, command substitution, redirection and piping, redirection of standard error file, concurrent piping for external commands, here documents, aliases, file name completion using wildcards ("\*", "?"), pattern permutations, variables, array variables, local and environment variables, variable exporting, C-like expression evaluation, conditionals, looping, more than 50 builtin commands, more than 40 builtin functions, script programming, workbench startup via newbsh, directory aliases, shell window manipulation and command search by CLI path, by bsh path variable, command hashing and resident command loading. Version 0.98, shareware, binary only. Author: Gary Brant FF811

**BSplines** Simple program to fool around with B-SPLINES, ala Bezier programs. Includes source. By Matt Dillon FF75

**Bspread**: A powerful spread sheet program written in AmigaBASIC. Author Brian Cately AC1

**BTE** Bard's Tale character editor. Executable program and documentation. AM19

**BTNtpe** A 'Better Than Nothing' SCSI tape device handler. Provides flat file access to a SCSI tape drive from application programs using simple DOS calls to Read() and Write(). It can also be used with the Amiga TAR utility for disk backups. Requires a 'SCSI-direct' compatible SCSI bus adapter. It fixes a number of bugs and includes some new features such as appending files to existing tapes. Includes source. Author: Robert Rethemeyer FF558, FF471, FF392

**Btree** Routines to implement a B-tree algorithm and several accompanying tests, apparently derived from the single file version also included on this disk under 'Btree2'. Still buggy, but looks useful with a little work. Author: Richard Hellier, posted to usenet by Steve Jefferson FF34

**Btree2** Previous (original) version of three routines. Author: Richard Hellier FF34

**Budget** A program to help with managing personal finances. New features include search selection replace and printer output. Binary only. Author: Le Lay Serge Camille FF576, FF546, FF452, FF416

**Bugs** Another gag-program. Be careful! It may destroy graphics, but nothing else! Can be stopped by pressing the firebutton of a joystick in port 1. Includes source in Modula II. Author: Robert Brandner FF549

**Bugs** Text of known bug list in Lattice C 3.02. AM1

**Bully** Mike Meyer's entry for the Badge Killer Demo Contest. Pushes all open screens around (thus the name 'bully'). Designed for showing off more than one demo at a time Includes source. Author: Mike Meyer FF112

**Bump** A little tool that makes it easy to keep the version string in your source code up-to-date. Version 1.0, includes source. Author: Jan van den Baard FF658

**BumpRev** Implements easy creation of source code revision headers, similar to the log headers to be found at the top of the Amiga 'C' include files. Is a rewritten version of the DoRevision program from disk 325. This version can be used for assembler source files as well as C source files. This is version 1.0, includes source. Author: Torsten Jürgeleit FF653

**Burf** A BackUp ReFresher written in Rexx. Designed to maintain backups of important directories between full volume backups. Copies only new and modified files, using either archive flags or date comparison. Can optionally delete from the backup any files and subdirectories not found in the original. This is version 1.00. Author: Michael Tanzer FF652

**ButExchange** An input handler to help left handed Amiga users. It reverses the function of the mouse buttons, so that the left button becomes the right and vice versa. Very small, uses only 168 bytes of memory. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**C Itoh Prowriter** Printer driver for the C Itoh Prowriter. AM9

**C Notes 6.2**: A reminder program to display messages. Author: Stephen Kemp AC13

**C Notes 6.3**: Working with functions. Author: Stephen Kemp AC13

**C Notes From The C Group**: A discussion on cryptography. Author: Stephen Kemp AC12

**C Notes From The C Group 5.8 & 5.10**: Functions supporting doubly linked lists, and a program that will examine an archive file and remove any files that have been extracted. Author: Stephen Kemp AC11

**C Notes From The C Group**: Doubly linked lists revisited. Author: Stephen Kemp AC10

**C Notes From The C Group**: Writing functions that accept a variable number of arguments. Author: Stephen Kemp AC8

**C Notes V4.9**: Look at a simple utility program in C. Author: Steven Kemp AC5

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**C Notes:** Doing linked list and doubly linked lists in C. Author: Stephen Kemp AC10

**C Notes:** AA small program to search a file for a specific string in C. Author: Steven Kemp AC4

**C Notes:** B The beginning of a utility program in C. By Steven Kemp AC4

**C Notes:** C Recursive functions in C. Author: Stephen Kemp. AC7

**C Notes:** DA look at two data compressing techniques in C. Author: Stephen Kemp. AC7

**C Squared:** Graphics program from Scientific American, Sept 86. In C source code and executable. Documentation included. AM14

**C-Functions:** A group of four little C-functions to add to your library to make your programming life a little easier. Includes source and a small demo program showing some of the results. Author: Lars Thuring FF164

**C-kermit:** Port of the popular 'kermit' program, a flexible virtual terminal and file transfer program from Columbia University. Author: Unknown, ported to Amiga by Davide Cervone FF26

**C-Light:** A demonstration copy of a commercial ray tracing program, which is identical to the commercial version except that it has been limited to ten objects per scene. Binary only. Author: Ronald Peterson FF146

**C64Emul:** An April Fools spoof. Turns your Amiga into a C64, or at least makes it look that way. With source. By Eddy Carroll FF216

**CacheCard:** An accessory to SetCPU for use with A2620 cards or 68030 systems. It modifies the MMU table set up by SetCPU to selectively control caching for each expansion card. It's also an example of how an accessory program can track down and modify the SetCPU MMU table without having to read all kinds of MMU registers and figure it out for yourself. Version 1.00, includes source. Author: Dave Haynie FF233

**CacheDisk:** Improves floppy disk throughput by caching entire tracks of data. Buffers disk reads and writes for maximum speed gain and has a user settable number of buffers for each drive. Version 1.0, binary only. Author: Terry Fisher FF462

**CAD:** An object-oriented drawing program, version 1.2.4. Uses a small set of graphics primitives (like 'line', 'box', and 'text') and a small set of editing functions (like 'move', 'size', and 'rotate'). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. Shareware, binary only. Author: Tim Mooney FF74, FF59

**CAI:** A complete Computer Aided Instruction program with editor written in AmigaBASIC. Author: Paul Castonguay AC1

**Calc:** A programmable calculator program with similarities to a hand-held RPN calculator. Can run either interactively or in 'script' mode by reading programs from a file. Version 1.0, shareware, binary only. Author: Bob Brooks FF103

**Calc:** A shell style, command-line calculator. Calc does not have a fancy keypad display as many other calculator programs do. Instead, it is capable of taking its input from a file, the keyboard, or a command line and outputting its results to a file or the screen. It can also apply a single equation to all of the values stored in a file (or files). It handles all common mathematical expressions, can optionally predefine physical constants and store variables. Version 2.0, binary only. Author: Bill Dimm FF388

**Calc:** A very nicely done scientific/programmer/plotter calculator. The scientific portion has most of the operations found on the more popular handhelds. The programmer portion has all the special hex/binary/decimal conversions as well as register operations like ASL, ROL, LSL, AND, OR, XOR, etc. The plotter portion will plot equations. Other features include 26 memories, full mouse or keyboard operation, pull-down menus, and iconization. V 3.0, binary only. by: Jimmy Yang FF210

**CalcKey:** A basic four function, memory resident, pop-up calculator which uses only about 24K of memory and can automatically type the answer to any calculation into the program you were using when it was popped up. Version 1.0, binary only, shareware. Author: Craig Fisher FF235

**Calculation:** Demo version of a solitaire type card game. The object of the game is to stack the cards into four ordered stacks, one that counts by one, another that counts by two, another that counts by three and another that counts by four. Version 1.0.2, binary only. Author: Steve Francis FF260

**Calendar:** A program that generates calendars in any one of 10 standard formats for any year after 1900. Binary only. Author: Pierre A du Parte FF269

**Calendar:** Appointment calendar which lets you visually add and update appointments. Can also run in background and remind you 15 minutes before any scheduled event. Amiga port by Bob Leivian FF34

**Calendar:** Calendar/diary program written in AmigaBASIC. Author: Mark Hurst FF32

**Calendar:** WKS Lotus-compatible worksheet that makes calendars. AM18

**CalligariDemo:** Demo version of Calligari 2.0 from Octree Software. Requires a 68020/68030 and a 68881/68882. Binary only. Author: Octree Software FF531

**Call Assembly language from BASIC:** Add speed to your programs with Assembly. Author: Martin F. Combs. AC8

**callloope:** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Callis:** A little utility to help analyze the flow of a C-program by laying out the functions called in a hierarchical manner. Author: Originally from Usenet with major revisions by Kevin Braunsdorf, Amiga port by George MacDonald FF160

**CalorieBase:** A program designed to provide a caloric and fat count for recipes which do not provide this information. It can also quickly give the calories for a specific food or total the calories you consume throughout the day. Version

1,1 binary only. Author: Mike Richan FF568

**CanDoDemos:** Demos of the capabilities of CanDo an interactive software authoring package utilizing graphics sounds buttons menus etc and a powerful easy to use scripting language. Binary only. Author: INOVAtronics FF565

**Canon PJ-1080A:** Printer driver for the Canon PJ-1080A. AM9

**CanonBJ:** A printer driver for the Canon BJ series of printers. Faster and supports more graphic and text modes than the standard Commodore driver. Shareware, binary only. Author: Wolf Faust FF446

**CanonBJC:** Color printer driver package for Canon BJC 800 and Canon Epson emulation printers. Supports Epson 24/48 pin and BJC emulation compressed native mode. This driver is not limited to 16/4096 shades/colors. Includes font independent preferences programs for controlling additional options, free definable dither routines (many are included), ink compensation, color adjustment, timeout, and more. Version 1, binary only. Author: Wolf Faust, Distribution by Canon Europe N.V. FF738

**CanonLBP:** Canon laser printer driver package containing WB driver extra preferences program for additional options (landscape copies margins timeout etc) PageStream drivers FontShop program automatic font download free definable paperizes and full support for Workbench 2.0/2.1. Version 1.01 fully functional demonstration version binary only. Author: Wolf Faust FF625

**CanonStudio:** Prints IFF pictures from disk in 24/8 bit accuracy on normal WB printer driver. Pictures can be printed in any size (poster function) without need for much memory. Supports most IFF formats (incl. EHB, HAM6, HAM8, IFF24). Provides a nice font independent user interface, free definable ordered dithers, error diffusion and blue noise dithers, AFexx Inter-face, color adjustments, ink compensation, printer spooler and more. This version is limited to Canon printer drivers. Version 1.2, shareware, binary only. Author: Wolf Faust FF738

**canvas:** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Car:** A two-dimensional full screen scrolling racing game with realistic four channel stereo sound and overscan, for either NTSC or PAL Amigas. The goal is to guide your car around one of ten selected tracks. Each track has its individual high score list. Version 2.0, binary only. Author: Anders Bjerin FF336

**Car:** This animation is one of Allen's entries to the Badge Killer Demo Contest. It apparently is an inside joke relating to a well known Amigan's experience with a certain highend graphics hardware manufacturer. Author: Allen Hastings FF123

**car horn:** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**cardco:** Text file of fixes to early Cardco memory boards. AM12

**cardfil:** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**CardFile:** Simple card file database program. ABASIC AM1

**CardFileStudy:** aid card file program written in AmigaBASIC. Useful for organizing small blocks of data, such as can be done with a 3X5 card file system. Binary only. By James Parks FF90

**CardMaker:** A programmer's aid for creating card image data that can be used in any card game that uses the standard 52 card deck. Contains bug fixes and support for AmigaBasic. Binary only. Author: Terry Gintz FF375, FF184

**Cards'O'Rama:** A simple game that let's you push your memory. It is played with a deck of 32 cards, grouped in 16 pairs. The cards are shuffled and then displayed at the beginning of each game. Your goal is to pick up as many pairs as you can, until there are no cards left on the screen. V1.0, includes source. By Werther Pirani FF186

**Cartoon:** HiRes Color fantasy humor FF72

**caseconvert:** Modula-2 program which converts Modula-2 keywords to uppercase. AM11

**Casino:** Games of poker, blackjack, dice, and craps. ABASIC program. AM3

**CassCassette:** Cover Printer V1.1 is a program to make cassette labels. It produces either the usual ASCII-character-labels or a source-text that can be fed to LaTeX. Written in Maxon's Kick-Pascal source included. Author: Jörn Clausen FF579

**CassEtI:** Cassette tape label printer. Includes source in GFA Basic. Author: Thorsten Ludwig FF346

**Castle:** A simple graphics adventure game suitable for beginners. Binary only, but source available with a small donation to the author. Author: H. James Fox FF174

**CatacombA:** graphic adventure game set on a small island in the middle of the land of EXOUSIA. Your quest is to discover the secrets and treasures of this underground maze, while staying alive. Version 1.6, shareware, binary only. Author: Peter Gage FF666

**Cathy:** A HAM picture of a pretty girl FF72

**CBBS:** A WRLD-like BBS system for use in amateur radio. Originally written for IBM-PC compatibles, it was ported to the Amiga by Pete Hardie. Binary only, source available from Pete Hardie. Authors: Hank Oredson, the CBBS group, Pete Hardie FF415, FF241

**CBDump:** This is a CLI utility for those who are working with the Amiga's clipboard device. It's sole purpose in life is to dump the current contents of the clipboard to stdout or by redirection to a pipe or a file. Useful for testing and interfacing with programs that do not support the clipboard. Source included. By: Stephen Vermeulen. FF326

**Cc:** C compiler front ends for Manx and Lattice C, developed independently by Jay T's. These automatically filter off the annoying banner messages from various passes of the compilers. Author: Jay T's FF43

**cc:** Aid to compiling with Lattice C. AM1

**cc:** nix-like front end for Lattice C compiler. Author: Fred Fish FF2

**CCLib:** An implementation of the standard C runtime library, with a few extra goodies thrown in. Supports a large number of functions including stream I/O, low-level I/O, string, memory, linked list, sorting, time, process control and more. Version 3.0, includes source and several utility programs. Author: Robert W. Albrecht FF399, FF260

**Ccutils:** Eight small CLI utilities that use the cclib library shared library. Includes a program to display disk usage on your menu bar, a program to check the integrity of IFF files, a program to remove shared libraries from memory if they are not being used, and more. Binary only. Author: Robert Albrecht FF286

**Cdecl:** English to C (and vice versa) translator for C declarations. This little gem will translate english such as 'declare foo as pointer to function returning pointer to array 10 of pointer to long' into 'long (\*(foo))[]', and vice versa. Includes source. Author: Graham Ross with enhancements by David Wolverton, Tony Hansen, Merlyn LeRoy, Udi Finkelstein and probably others! FF167, FF114

**CDTV-Player:** A utility for all those people, who'd like to play Audio CD's while multitasking on WorkBench. It's an emulation of CDTV's remote control, but is a little more sophisticated. Allows access to the archive even without a CDROM drive (i.e. AMIGA 500-4000), although you can't play a CD. Program and KARAOKE (live on-screen) included. Recognizes CDs automatically. Version 1.8. Freeware, binary only. Author: Daniel Amor FF849, FF805, ff759

**Celest:** AKA Celestial Caesars, a strategy game for up to nine players. This simple wargame pits you against any combination of human or computer opponents. The game uses an intuition interface, and can be played by file-mail. Version 1.11, binary only. Author: Tony Belding FF659

**Cell Animation:** Using cell animation in Modula-2. Author: Nicholas Cirasella AC5

**CELLS:** A cellular automata experimentation lab, based on the rules described in the Computer Recreations column of the Scientific American, January 1990. Version 1.3. Source included. Author: Davide Cervone FF502

**CelScripts:** Makes cel animation scripts for Aegis Animator, in AmigaBASIC. AM21

**CenterScreenA:** commodity which centers the frontmost screen horizontally on hotkey. Useful if you normally operate with overscan screens and an old program opens a normal size screen. Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**cforth:** A highly portable forth implementation. Lots of goodies. Author: Allan Pratt FF3

**CFX:** Crunched File eXaminer allows the user to examine and find files using several different search criteria. CFX knows a huge amount of the current Amiga filetypes, including a vast number of 'cruncher' types. CFX can also give in-depth dis-assemblies of crunched files, including most address crunched files, relocater crunched files, and some major archive crunched types. This version requires kick 1.3 or 2.0. Version 5.242, freeware, binary only. Author: Bob Rye and Marcus Mrozowski FF750

**Challenger:** A freely distributable quiz program with 500 questions in this version. English and German version included. Version 1.0 binary only. Author: Udo Haisch FF622

**ChangeColors:** A new palette tool to change the colors of the workbench or any other public screen. The feature of this tool is its font independence; it uses the font of the screen on which it opens, instead of insisting on topaz 8. Looks really great if you use any other font than topaz on your workbench screen. This is version 1.03. Includes german version. Binary only. Author: Stefan Sticht FF497

**Charon:** Charon is Bradley's entry for the First Annual Badge Killer Demo Contest. The text of the demo was written by Lord Dunsany (long before the Amiga). Bradley created the illustrations and animation. The sound track is a traditional Scottish tune 'The Arran Boat' by Lord Dunsany (1915), Bradley Schenck (1988) FF198

**CheatFont:** A simple program which patches the TOPAZ8 font. You can use one out of FIVE implemented fonts, but it's also possible to install external fonts via the req.library and/or the reqtools. library. Also included in the package are 30 demofonts. OS2.0 required, freeware, binary only. Author: Nils 'Jon' Görs FF751

**Cheats:** Have an old game that you got frustrated with and put away? Get hopefully lost in an adventure game maze? Get to level 218 of your favorite game when your cocker spaniel mistook your scrap of paper listing entry level codes for his favorite sock? Well there might be something in this huge list of game solutions, hints and tips that you can use! Author: Many! see individual listings. FF788

**CheatSheet:** A compilation of cheats, hints, backdoors, helpful bugs, passwords, codes, solves, and walkthroughs for over 150 Amiga games. Author: Mark Shnyder FF456

**Check:** A useful little utility for finding structural errors in C-source code. Many command-line options. Version 1.03, binary only. Author: Keith Elbertson FF160

**Check4Mem:** Allows you to check from a batch file for a specified amount of memory with certain attributes. If the requirements are not met, a WARN returncode is generated. Binary only. Author: Jonathan Potter FF412, FF242

**CheckBook:** Checkbook Accountant is a checkbook recording, balancing, budgeting, and analyzing program. Intended to be used as a companion to a checkbook register and not as a replacement, this program offers a simple way of balancing check-books, tracking bank transactions, and recording and analyzing budgeted transactions. This is version 2.0. Some of the new features include: Sort, Move, Duplicate, Program Prefs,

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Reoccurring Transaction Groups, Statistics, and Search & Replace. AmigaDOS 1.3 or Release 2 required. Binary only. Author: Jeffrey R. Almasol FF515, FF425

**CheckIFF** Program to check the structure of IFF files and report any problems. Binary only. Author: Unknown FF81

**CheckModem** A program which provides for executing other programs from your startup file, if and only if there is actually a modem connected to the serial port. Author: Matt Dillon FF46

**CheckPrt** A small program for checking the presence of a parallel printer from within a script file. Now also includes two small tools to test the state of some lines of the printer port, to make it easier to find the source of printer problems. Binary only. Author: Tom Kroener FF521, FF479

**Cheetah** A picture of a cheetah. AM15

**CheetSheet** A compilation of cheats, hints, backdoors, helpful bugs, passwords, codes, solves, and walkthroughs for over 150 Amiga games. January 1st, 1991 edition. Author: Mark Shnayer FF431

**ChemBalance** An AReXX script to balance unbalanced chemical equations. With ChemBalance in ram, enter 'rx ram:ChemBalance' from a CLI or Shell window. A prompt should appear from which you can enter an unbalanced chemical equation for ChemBalance to try to balance. Version 1.0, requires AReXX. Author: Patrick Reany FF759

**Chemesthetics** Chemesthetics uses the calote model to draw molecules. It has an Intuition user interface, can save pictures as IFF files and has many example files. The new version uses you raise the task priority for the painting process to get the results faster, shadow and reflection color can now be set to your desires, quicktrans.library is used for even faster painting. Versions for a math coprocessor and utilities to convert data files from Molec3D and to DKBTrace are included. This is version 2.14. Includes source in C. Author: Joerg Fenin FF777, FF574, FF536, FF427

**ChemniMaTe** A program to make animations of chemical reactions with the purpose of recording it on a video tape. It is a programming language, containing expressions, nested loops, etc. It can handle molecules with in total up to 64 atoms, and lines between atoms. Works correctly under PAL. Version 0.8, examples and source (in DICE C) included. Author: Klaas van Gend FF542

**Chess** A port of a chess game posted to Usenet. It has been upgraded to use an Amiga Intuition interface. Version 2.0, binary only. Author: John Stanback; ported to Amiga by Bob Leivian Version 2.0 upgrades by Alfred Kaufmann FF205, FF96

**ChessTutor** Chess tutor is a program designed to introduce novice chess players to the basics of the game. Shareware, written in AmigaBASIC. Author: William Jordan FF269

**Child** Toddler digitized forever in Amiga history, an IFF picture. AM7

**ChinaChallenge** A game similar to Shanghai or Mahjong. The goal is to remove all parts of the pile, the so called Dragon, step by step. This dragon is composed of 120 different game pieces. You can always find four pieces displaying the same picture or chinese symbols. Changes include some bug fixes, unlimited undo, saving and loading of games, background music, title screen, etc. Binary only. Author: Dirk Hoffmann FF444, FF312

**CHIP8** CHIP8 is a programming language popularised by the RCA COSMAC VIP, DREAM 6800, and ETI-660 hobby computers. It is one step up from machine code (actual hex codes), yet allows the creation of some very simple, very small games. Version 1.1, includes assembly source and some demo games. Author: Paul Hayter FF537

**ChkFrag** A program that reports on the extent of file fragmentation in any specified directory tree. Binary only. Author: Timeus FF519

**Chop** A program which uses a hotkey to chop a displayed screen down to a temporary maximum of 4 planes in lo-res or 2 planes in hi-res, allowing the processor full speed access to chip memory. Only the displayed screen is affected, the program painting the screen continues to work with the full color palette. Unchopping the screen puts everything back to normal. Version 1.0, binary only. Author: Nico Francois FF302

**Chop** Truncate (chop) files down to size, C program in C source code and executable. AM3

**Chord** Toddor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**CIATimer** Two versions of ciatimer routines to provide precise timing for applications requiring a high-accuracy real-time clock. Includes source and a sample executable. By Karl Lehenbauer, based on the original version by Paul Higginbottom FF178

**cincludetext** file cross-reference to C include files. AM12

**circle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Circles** A circles pattern generator, reminiscent of one of the early Amiga demos. Version 1.1, includes source in C. Author: Joel Swank FF304

**CirclesUp** A simple little two player game where circles fly into the playing area from both sides of the screen. When each player presses his corresponding ALT key they fly to the top of the screen and stop moving when they hit another circle or the border. The object of the game is to connect a specified number of circles of the same color. Version 1.0 includes source. Author: Jason Lowe FF592

**CirPlane** A circular plane generator for VideoScape 3D. Generates a clockwise circular polygon with the specified number of vertices. Used, for example, to cap a cylinder or to generate surface detail. Version 1.0, with source. By Thad Floryan FF101

**Citadel** A full featured Amiga BBS program with all the necessary files to setup your own BBS. Citadel is a room structured message system with the fundamental design

goal of providing a congenial forum conducive to interesting discussions. Messages are stored and retrieved in chronological order within each room. Callers may travel freely between the rooms, reading old messages and posting new ones. This is a two part distribution. Both parts are required. Binary only, source available from authors. Author: Jay Johnston, Hue JR., and Tony Preston FF661& FF662

**CITAS** Convert ILBM To Assembler Source. CITAS allows one to easily put graphics into his/her own programs. CITAS takes a standard IFF ILBM image file and converts it into either assembler or 'C' source code. Designed for blitter image control, all of the necessary labels are generated, along with color map information, mask generation, and other options. This is version 2.0, shareware, binary only. Author: Max Bithead FF475

**claves** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Claz** Converts IFF picture files to POSTSCRIPT. Works with Amiga HAM pictures, as well as 'normal' pictures. Also includes scaling. Version 2.0, includes source. Author: Steve Ludtke FF87

**Claz2** Update of prog to convert IFF images to PostScript files for printing on laser printers. AM26

**Clean** A small program written in assembly code, to be used in conjunction with a cleaning disk, to clean your floppy drive heads. Version 1.0, includes source. Author: Dan Burris FF297

**clean** Executable program, spins the disk for disk cleaners. Documentation included. AM12

**Cleanup** Removes strange characters from text files. C program. AM3

**Clear** Fills unused areas of memory with a specific byte pattern. FF105

**Cled** A simple command line editor which allows you to edit your commands before and after they are processed. Uses the arrow keys and simple control sequence keystrokes for cursor positioning and editing tasks. Author: Pat Empleo FF81, FF74

**Cleo** Implementation of a new experimental Pascal like language. Besides the normal data types, includes 2D and 3D data types, and an RGB color data type. Includes a compiler and interpreter, example programs, and documentation. Version 1.0, includes full source in C to compiler, interpreter, and examples. Author: DIALLO Barrou FF805

**CLI-Colors** A simple little program to change the colors of the border around a CLI window. Includes source in assembly code. Author: Michael Sinz FF248

**CLI-Tools** Some CLI-use only tools. Includes a file splitter, a cold reboot utility, a test-if-command-is-resident utility, a 50Hz time delayer, and a utility to calculate the 'REAL' number of blocks used by a file. All include C or Assembly source. Author: Thies Wellpott FF764

**CLI Utilities** This directory contains several subdirectories with small utilities, collected from various sources, that are only usable from the CLI. See the Readme file for further information. Some include source. Author: Various FF162

**ClbSave** A small hack for saving the actual contents of the clipboard (unit 0) to a file. It may only be used from shell. This is version 0.1 includes source. Author: Uwe Rohm FF595

**CLICard** Text file of a reference card for AmigaDOS CLI. AM1

**ClickDOS** A 'directory utility' type program which is reasonably small, uses a single window on the Workbench screen (which can also be iconified), does not rely on other programs for most of its functions, and is very memory efficient. This is version 1.10, binary only. Author: Gary Scott Yates FF276

**ClickRun** With the help of ClickRun you can start fifty programs by a simple mouse click. Has a build in editor, online help and iconification. Supports keyboard and mouse. English and German documentation. Version 1.0, binary only. Author: André Voget. FF743

**ClickToFront** extends the user-interface so that a double-click into a window brings it to the front. Now as long as you can see any part of a window you can bring it to the front without having to hunt for the page gadgets. Version 1.1, includes source. Author: Bryce Nesbitt FF86

**ClickUpFront** ClickUpFront is another program, similar in function to the ClickToFront program from disk 86, that allows you to bring any window to the front simply by double-clicking in any part of it. Version 1.0, includes source. By Davide Carvone FF94

**CLIClock** sClock, wClock are window border clocks. Source code, executable program, and documentation. AM14

**CLICommands** Text guide to using the CLI. AM1

**CLIcon** Allows you to run cli programs from the workbench, similar in operation to IconExec, but more versatile. Author: Bryan Ford FF167

**CLIExe** A XIcon style program. It allows you to execute a script from WB and is completely CLI compatible, because it is a CLI. Can use a real script file or take commands in its own TOOLTYPES. Includes source in C. Author: Sylvain Rougier FF649, FF540

**CLImax** A command like NewCLI or NewShell except that it creates a borderless CLI or Shell window on a custom screen. Now you can use the whole display just like a non-windowing computer. Requires ConMan 1.3 or newer. Release three, vastly improved over the first release on disk 224. Includes source. Author: Paul Kientz. FF429, FF224

**Clipboard** Clipboard device interface routines to provide a standard interface, such as Open, Close, Post, Read, Write, etc. Author: Andy Finkel FF56

**CLIPrint** An example of printing to the CLI from assembly code. Includes source (of course). by: Jeff Glatt FF237

**CLIsizer** A little hack to allow you to easily resize the WorkBench screen from any CLI or Shell window. Version

1.0 includes source. Author: Torsten Jurgeleit FF562

**clst.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**CLITools** Two small shell commands, touch and time, which behave like their UNIX cousins, and can be made resident. Kickstart 2.0 or later required. Includes source. Author: Martin W. Scott FF696

**CLlWindow** CLlWindow allows you to manipulate the dimensions of a CLI window. It can be moved, enlarged, or shrunk. This is version 1.00. Includes source in assembly. Author: Roger Fischlin FF437

**Cload** An AmigaBASIC Program to convert Compuserve hex files to binary. Source code and documentation included. AM8

**Clock** Another clock program, comes in several flavors depending upon features desired, which include using alternate fonts, using alternate colors, setting the time, etc. Binary only. Author: Mark Waggoner FF59

**Clock** Two programs to put clocks on the WB screen. The executables are small (2Kb) and take little processor time (1.5%) to run. Version 1.4. Both programs require ARP. Source in C is included. Author: Stuart Mitchell FF416

**Clock** Adds seconds display, free memory display, and faster updates Author: Mike Meyer FF36, FF15

**Clock V1.00** Simple clock, configurable with config. FF168 & 169

**ClockDJA** utility which combines a clock, mouse accelerator, screen blanker, window manipulator, function keys, and macros into a single program, written in assembly language for maximum efficiency. Includes an AReXX port. Version 5.02. Binary only. Author: David Jenkins FF529, FF293

**CioneCmdKeys** A commodity that maps the AmigaDOS 2.04 Shell's CUT and PASTE commands to any keys. By default CioneCommandKeys will make LEFT-amiga-c act as COPY and LEFT-amiga-v will act as PASTE. Alternately you can specify any key-mapping you like by using ToolTypes. Requires AmigaDOS 2.04. Version 1.0 includes source. Author: John Lindwall FF608

**CioeMe** Another ingenious perversion in the screen hack category. Don't miss this one...surely destined to become a classic! Includes source. Author: Charlie Gibbs FF167

**CioeWB** Simple program for use with MWB (also on this disk) to close a current WorkBench screen, and let you open WorkBench on a custom screen. Author: Matt Dillon FF65

**CioeWD** A tool which enables you to kill windows which are left on any screen from other programs, which have been terminated by gurus or other things. You can specify the window by pattern matching in the string gadget or by setting a timeout that gives you time to select the proper window. It has a gadtools interface and an 'ask-before-closing' option. This is version 2.11. Removed some enforcer hits and is now font independent. Requires AmigaDOS 2.04 or higher. Freeware, binary only. Author: Hans-Peter Guenther FF827, FF724

**Ciod** A program that generates and displays fractal surfaces that look remarkably like clouds. Based on ideas from the book 'Fractals' by Jens Feder. Binary only. Author: Mike Hall FF216

**Ciods** A program which creates randomly clouds on your screen. You may save them as IFF-files and use them as background for your workbench. Uses new AGA-feature (5-bitplane-hires-screen). Version 2.0, public domain. Includes complete source in KICKPASCAL. Author: Daniel Amor FF805

**CLM** Clear Screen Command made for the purposes of being SMALL, and thus not wasteful of memory when being memory resident, it consists of 96 bytes of memory on disk! Includes source in assembly. Author: Bill Nelson FF237

**cls** A screen clear and CLI arguments example in Assembly. Executable and source code. AM11

**Ciue** CUE board game. Nice. Author: Greg Pryor FF45, AM8

**CMA** celestial mechanics simulator with an Intuition interface. You construct a layout of celestial bodies and specify various parameters for the bodies and the simulation. CM then animates the bodies according to the laws of gravitational attraction. Setups may be saved to disk to later reinact interesting scenarios. Version 1.0, includes source. Author: W. John Guineau FF280

**CManual** A 5 disk distribution of one of the largest collections of documents, examples, and utilities in C for the Amiga. It consists of six manuals, with more than 40 chapters, 175 fully executable examples complete with source code, and several utilities and other goodies. The manuals describe how to open and work with Screens, Windows, Graphics, Gadgets, Requesters, Alerts, Menus, IDCMP, Sprites, VSprites, AmigaDOS, Low Level Graphics Routines, etc. They also explain how to use your C Compiler and give you important information about how the Amiga works and how your programs should be designed. When unpacked, the manuals and examples nearly fill up twelve standard Amiga floppies. Because of its size, it is distributed on five library disks, 691 through 695. Author: Anders Bjerin. FF691 through 695, FF456&457, FF337

**Cmnd Cmd** redirects the serial.device or parallel.device output to a file. Useful for capturing print jobs for debugging or 'offline' printing. Version 4, includes source. Author: Carolyn Scheppner FF95, FF86, FF79

**ChMDemo** A couple of nifty animation demos created with GVP's new standalone morphing package CineMorph(tm). CineMorph features the ability to warp single images, morph between two or more images, and even morph between moving sequences of images, with an easy-to-use interface. Extremely fast rendering times, and the ability to output to a variety of formats (including direct support for HAM-E, DCTV, and generating Op-S ANIMs). Author: Great Valley Products FF757

**CMP V1.00** Utility to compare two files FF168 & 169

# Freely Redistributable Software

**CNewsBin** This is part 1 of a C News distribution for the Amiga. This part includes all the binary and text files necessary to set up and run C News. Part 2 is available on disk 473 and contains the source. C News uses UUCP, such as Matt Dillons implementation (see disks 479 and 480) or that included with this software's previous version (disk 319). This package has been reworked and now includes a newsreader, AmigaRN (Sharware). All major (and a few minor) features of Unix C News are implemented. The Author refers to this as release 15-Dec-90. Author: Various, Amiga port by Frank Edwards FF472, FF318&FF319

**CNewsSrc** This is part 2 of a C News distribution for the Amiga. This part includes all the source for C News. Part 1 is available on disk 472 and includes all the binary and text files necessary to set up and run C News on the Amiga. CNews uses UUCP, such as Matt Dillons implementation (see disks 479 and 480) or that included with this software's previous version (disk 319). This package has been reworked and now includes a newsreader, AmigaRN (Sharware). All major (and a few minor) features of Unix C News are implemented. The Author refers to this as release 15-Dec-90. Author: Various, Amiga port by Frank Edwards FF473, FF319

**cnvapidm** Executable program that converts Apple II low, medium and high res pictures to IFF. With documentation AM12

**CodeDemo** Modula-2 program converts assembler object files to inline CODE statements and a screen scrolling example AM24

**CoGo** An engineering/surveying program to solve coordinate geometry problems for highway design, surveying, subdivision layouts and construction. Needs 1 Mb of memory. CLI only with output to screen or printer. Manual, with sample problems, available from author. This is version 1.0, binary only. Author: Don R. Benson FF714

**ColorArt** Art drawing program in AmigaBASIC. AM8  
**ColorCatch** A utility that lets you grab colors from a screen and save them as an executable file. Includes source in assembler. Author: Preben Nielsen FF543, FF396

**colorCircles** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**colorful** Shows off use of hold-and-modify mode. Posted to usenet by Robert Pariseau. FF1

**ColorReq** A color palette library callable from any program. Used to adjust the colors of any screen. Automatically adjusts to screen size, number of colors. Has many features including SPREAD, COPY, UNDO, RGB, HSV, as well as customizable gadgets. Binary only. Author: Jeff Glatt and Jim Fiore FF257

**ColorReq** Describes the update to the color.library and has an example program, with source, that demonstrates its use. Author: Dissidents Software FF348

**ColorSamples** A few executable color samples made by ColorCatch from disk 396. Contains the 'old' colors from kickstart 1.3 and the 'new' colors from kickstart 2.0. Very useful because some programs/icons look awful when displayed in colors other than the ones they were created for. Author: Preben Nielsen FF483

**ColorSaver** A 'pop-up-anywhere' (almost) color palette commodity with several features I could not find in other palette tools. Features include: Load/Save color palettes; Sliders selectable between RGB/HSV; Copy, Swap, Range Functions; Complement selected color; Left/right shifting of the entire palette; Ability to permanently alter (patch) the color tables of executables with a statically allocated color table. Requires OS2.04 or greater. Version 0.84 (alpha release) includes source. Author: Dan Fish FF800

**ColorSwitch** A little program to switch between WB1.3, WB2.x and user preference palettes. Requires Kickstart 2.0 or higher. Includes source in C. Author: Martin W. Scott FF742

**ColorTools** Three tools that manipulate the colors of your screen. Binary only. Author: Dieter Bruns FF323

**ColourA** program to manipulate the colors of specific named screens, saving their current color sets to data files, loading new color sets from data files, or interactively changing the colors. Includes source. Author: John Russell FF126

**Colourscope**: A shareware program that shows different graphic designs. Author: Russell Wallace AC5

**ColumnSet** A text filter program that takes as input a file with one word per line and produces a file with these words laid out in the same order in even columns, as many as will fit across the output screen or page with at least one space between columns. Includes source in Modula-2. Author: Kent Paul Dolan FF270

**Comal** Demo of AmigaCOMAL (missing only SAVE), an incremental p-code compiler from Denmark. COMAL is a language with the design goal of combining the modern structured approach of Pascal with the ease of use and interactivity of BASIC. There are versions of COMAL for IBM, VAX, CP/M, C-64, Amiga and various European operating systems. Includes a complete turtle graphics package. Perfect for education yet powerful enough for applications programming. V2.0, binary only. By Svend Dagaard Pedersen Freddy Dan Dalgas Kristiansen FF296

**COMAL.h** Make C look like COMAL header file. In C source code, and documentation. AM19

**Comm** Source release for comm version 1.34. Last release on FF71 was binary only. FF75, FF71, FF67, FF48, AM17

**Commands** Shorter guide, in text, to AmigaDOS CLI commands. AM1

**Commodities** Commodities Exchange, an Amiga exec library which can be opened and used by application programs to gain access to input in a very flexible way. This is a 'minimal, binary only' copy. Source may be available on a future disk. Version 0.4. Author: Jim

MacKraz FF87

**Commodore IFF** This is a copy of the official November 1988 Commodore IFF disk. All the files in the 'documents' directory are in zoo file 'documents.zoo' FF185

**Compactor, Decoder** Steve Michel AmigaBASIC tools. In C source code and documentation. AM20

**CompDisk** A disk compression/disk compression package which was written to be fast and easy to use. Includes an Arp and an Intuition interface. Includes source in 'C'. Author: Olaf Barthel FF353

**Compiler** An optimizing C compiler for the 68000. Has successfully compiled itself on a 68000 based UNIX system V machine, but has yet to be fully ported to the Amiga. It will currently produce assembly output for simple C routines on the Amiga, but needs lots of work to be really useful as anything other than a learning tool. By Matthew Brandt FF53

**Compress** Compress reduces the size of the named files using adaptive Lempel-Ziv coding. The amount of compression obtained depends on the size of the input, the number of bits per code, and the distribution of common substrings. Typically, text such as source code or English is reduced by 50-60%. Compression is generally much better than that achieved by Huffman coding (as used in 'pack') or adaptive Huffman coding (as used in 'compact'), and takes less time to compute. By Thomas Spencer, with improvements by others FF51, FF6

**ComputerBlocks** An IFF image of multicolored computer composed shapes as blocks. AM7

**Concentration** A game in which the player must match pairs of words to win. Takes two players to play and can be played against either another person or against the computer. Version 3.3 binary only source available from authors. Author: Alan and Heather Keith FF627

**CONFIG V1.00** Used to configure friendly programs like DME for the initial window placement (configures the executable) FF168 & 169

**ConLib** A run time reentrant library developed with the purpose of making life easier for application programmers. It contains functions to format and display text accept keys/ messages strings or numbers and to handle cursor and screen control among other things. Version 2.00 includes source in asm. Author: Bjorn Reese FF587

**Conman** Extremely useful replacement for the standard console handler, provides line editing and command line histories. Completely transparent to any application program that uses CON: windows. This program is shareware, and will worth a donation to the author. Changes include updates for WorkBench 2.0 console refresh and cut/paste, and improvements to window resizing. Binary only. Author: William Hames FF426, FF165, FF133, FF100, FF90, FF81, FF69

**Connex** A 'connect-4' type game. This is version 4.0. Shareware, binary only. Author: Adrian Millett FF511, FF493

**ConPackets** Demos the use of DOS packets, finding the Window pointer and ConUnit pointer of the CLI window, toggling Raw mode, getting cursor position and limits from the ConUnit, and ESC-sequence cursor positioning. By Carolyn Scheppner FF56

**Conquest** Lore of Conquest is a war game similar in concept to the board game Risk. You are the lord of an entire world, destined to rule the galaxy. Some worlds are virgin fruits, ready for you to colonize. Some worlds have natives who do not wish to accept your rule, these you must conquer for they will yield more valuable resources. As you claim the galaxy you will find, you are not the only one extending your dominion. This is a two-player game, so be prepared to defend yourself and take what is yours! Includes enhanced galaxy map, instant replay option, timed turns, symmetrical universe, and more. Binary only, shareware. Author: Michael Bryant FF533, FF523, FF459, FF432

**Conquest** You control an interstellar empire, decide which star systems to explore, which planets to colonize, etc. The computer will also be building its own empire and competing with you for resources. The one with the greatest population at the end wins. First distributed in executable form only on FF10. This distribution includes source. Author: Unknown, reported to Amiga by Rob Shimbo Second release of a csh-like alternative to the CLI, first released on FF14. Has alias, built in functions like 'dir' for speed, history, named variables, command re-execution with substitution, etc. Author: Matt Dillon FF24, FF10

**cons** Console device demo program with supporting macro routines. Author: Rob Peck FF5

**Console** Console is a new set of routines to get around some of the problems with the standard system routines, and includes some simple graphics routines. With source. By Jim Cooper FF69

**console.bmap** one of the necessary links between AmigaBASIC and the system libraries.diskfont.bmap AM8  
**consoleIO.c** Console I/O example. C program. AM4  
**consoleIO.txt** Copy of the RKM console I/O chapter. C program. AM4

**ConsoleWindow** Example program for finding the intuition pointer to an AmigaDOS CON: or RAW: window, so you can do WindowToFront, graphics, and other interesting things. (Requires AmigaDOS 1.2) Author: Andy Finkel and Robert Burns FF35

**Contact** A memory resident 'pop-up' program for maintaining a list of names addresses and phone numbers or other flat file data-base applications. Can print labels in up to four columns to PostScript printers or any preferences supported printer. Up to two phone numbers can be stored with each entry and dialed automatically using pulse or tone dialing. Unique sorting feature allows the user to specify the sort key of each record. Addresses can be imported and exported via the clip-board or output using the unique 'type' feature. Notes can also be

associated with each entry using your favorite editor. Has full ARexx support. Version 2.0 binary only. Author: Craig Fisher CMF Software FF618, FF384

**Contour4D** Creates colored altitude mapped objects for Sculpt 4D. Two IFF brushes are used; one to supply the color for the object and a second which by its color intensity gives an altitude for the object at that point. Objects are optimised so that large areas of one color and height become a single larger set of faces. Objects are output in Sculpt 'scene' format. Works with ordinary HAM or Extra-Halfbyte brushes. Any palette colors can be omitted from conversion and all palette colors can be of different textures. Full Intuition interface. Version 1.5 shareware binary only. Author: Bruce Thomson FF586

**Control** Program which provides finer control over the printer device. When it sees a DUMPPRPORT, it fires up a requestor and lets you play with the values being passed in the IO Request block. Includes source. Author: Andy Finkel FF74

**Conundrum**: An AmigaBASIC program that is a puzzle-like game, similar to the game Simon. Author: Dave Senger. AC8

**Convergence**: Part five of the Fractal series. Author: Paul Castagnauy AC10

**Convert** A program that provides the means to easily convert numerical values between international, Imperial and US systems of measurement. It does this in twelve fields of measurement, including area, capacity, density, energy, fuel consumption, length, power, pressure, speed (velocity), temperature, volume and weight. It has a flexible, easy to use GUI and works under OS 1.3 and 2.xx. The registered version also has an ARexx port. Version 2.0, shareware, binary only. Author: Mike Fuller FF801

**Convert** Converts 39 different image formats into CBM standard 24 bit IFF files for display on devices such as Black Belt Systems HAM-E product. Version 1.6, binary only. Author: Pete Patterson and Ben Williams FF451

**Convert** Converts an object file to a C source which can be inserted with '#include' in your own programs. Version 1.0, includes source. Author: Frank Enderle FF533

**ConvertDoodle** Converts Commodore 64 Doodle files into Amiga format. AM11

**ConvertKoala** Converts Commodore 64 Koala files into Amiga format. AM11

**ConvertPrintShop** Converts Commodore 64 PrintShop files into Amiga format. AM11

**ConvMacF** Converts Macintosh type 1 Adobe fonts to a format usable on the Amiga. Reads a compressed Macintosh format Adobe font file and unpacks it to an ASCII text file, which permits sending the font to a printer as a PostScript program. Includes source. Author: Unknown, Amiga port by Joe Pearce FF455

**Cookie** Fortune cookie program. Includes source. Author: Richard Stevens FF65

**Cooltunes** Two volumes of songs written with MED. Includes 'Exarch', 'Sedative', 'Hypersonix', and 'SlowPlay'. Uses MEDplayer to play the songs. Author: Robert J. Perrine FF667

**CopDis** An oldie but goodie I found while poking around the net. CopDis is copper list disassembler that can be run from the CLI or linked with and run directly from an application program. The code has been cleaned up, some bugs fixed and the ECS instructions added. Includes source. Author: Karl Lehenbauer, enhanced by Sebastiano Vigna FF776, FF261

**Copper** A copper list disassembler. Dumps the contents of a hardware copper instruction list. By Scott Evernden Inst FF43

**Copper** An action game similar to Arkanoid. The objective of the game is to destroy all the bricks on the screen with the ball. Some bricks may take only 1 hit to destroy or as many as 8. Shareware binary only. Author: Hai Truong FF632

**CopperBars** A simple but pretty demo of some rolling copper bars. Author: Jonathan Potter FF412

**CopperMaster** This program allows you to easily create your own custom copper lists for the Workbench screen. Author: Jonathan Potter FF412

**CopperPrefs** A OS 2.0-style preferences editor that allows you to load, edit and save copperlists for your workbench. A little program will load your copperlist on startup and display it exactly like IPrefs does. Includes some sample copperlists and the specification for a new IFF copperlist format. Requires OS 2.0+. Version 1.0, shareware, binary only. Author: Stephan Fuhrmann FF769

**Copy** A replacement for the AmigaDOS copy program that is upwardly compatible, plus includes some new features like date preservation. V1.0, includes source. By Jeff Lydiatt FF75, FF13

**Cos** A 'Wheel Of Fortune' style game in AmigaBASIC. Author: Steve Michel FF51

**Cosmic** An interstellar multiplayer game of War and Peace. From the looks of the documentation file, it appears fairly extensive! Version 1.01, includes source. Author: Carl Edman FF178

**Cosmo** An 'asteroids' clone. Suggested \$6 donation. Author: John Harris FF40

**Cosmroids** A version of 'asteroids' for the Amiga. AM15  
**Counting** An educational program for kids from 4 to 14, that helps to develop and sharpen skills in addition, subtraction, and multiplication. Version 1.0, binary only. Author: Ken Winfield FF722

**Coyote** Another cute animation from Eric Schwartz. This one is Coyote 2: The Road Test, Eric's tribute to Chuck Jones. Has the typical Roadrunner and Coyote mayhem. Author: Eric Schwartz FF417

**Coyote** Gene's entry to the 1988 Badge Killer Demo contest. A very cute (and large) animation. Requires about 1900 blocks of disk space, so it is in 'arc format'. By Gene Brawn FF207

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**cp** A UNIX-like copy command. Executable program. AM11  
**CPaletteA** palette adjusting program that can be brought up on just about any screen, including HAM and EHB. Version 1.1, includes source in assembly. Author: Craig Lever FF498

**CPK** A program to render a space filling representation of atoms in molecules. This is the type of representation one would find in the plastic 'CPK' (Corey, Pauling, Kendrew) models often used in organic chemistry. There are no hard coded constraints on the number of atoms it can process, it correctly handles intersecting 3-dimensional spheres by using the Bresenham circle algorithm in 3D, and computes using the current display screen resolution for simplicity and speed. Version 1.0, binary only. Author: Eric G. Suchanek FF809

**CPlot** Graphs linear functions in two dimensions, similar to a Mandelbrot plot. You start with a linear function like  $10\sin(x^2+y^2)$  and CPlot treats each point on the screen as an X-Y coordinate, color-scaling it according to its magnitude for a preset range of inputs. Includes some very nice sample creations. Version 1.0, binary only. Author: Terry Gintz FF392

**CPM** A program to compute mandelbrots via the Continous Potential Method, as described in the book The Science of Fractal Images by H. O. Pietgen and D. Saupe. It is used to make 3-dimensional pictures of the mandelbrot set. This is a batch mode type program so several images can be generated, one after the other, without any human interaction. Includes source. Author: Lars Clausen FF303

**CPM** Another CPM emulator independently authored from the version that appeared on FF 157. Emulates a CPM computer with a Z80 processor connected to an ADM3A terminal. Assembly source included. Author: Ulf Nordquist FF165

**Cpp** A copy of the Decus cpp, ported to the Amiga. This cpp is more powerful and complete than either of the built in cpp's in Manx or Lattice C. A modified version of the UNIX like cc frontend, for Manx C, that knows about the cpp is included. It has had some ANSI features added. Includes source. cpp by Martin Minow, cc by Fred Fish; Olaf Seibert FF338, FF28

**cpri** cpri shows and adjusts priority of CLI processes in C source code and executable. AM11

**CPU** Two programs, one in C and one in assembler, which check for CPU type. This version can detect 68000, 68010, 68020, and 68881 processors. Includes source. Author: Ethan Dicks, based on WhatCPU by Dave Haynie FF329

**CpuBlit** CpuBlit replaces the system BitBlitMap routine with a version that uses your 68020/68030 when it is worthwhile to do so. This results in text scrolling twice as fast as usual, and in addition, the color flicker effect normally present when scrolling multicolor text is removed. Version 1.0, includes source. Author: Eddy Carroll FF528  
**CPUClr** A small hack, inspired by CPUBlit, that replaces the BitClear routine of the graphics library with a highly optimized 68020 (or higher) routine. This results in about a 60% speed up on a 68020 and should be even more on a 68030/68040. This is version 2.000, includes source. Author: Peter Simons FF709

**CpuClr** A hack in the spirit of 'CpuBlit'. Replaces the BitClear() call in graphics.library with a 68030 optimized processor routine. Includes source in assembly. Author: Oliver Wagner FF684

**CPUSet** A small assembler utility to manipulate the various cache modes of the 68040 68030 and 68020 processors. The copyback mode of the 68040 is also supported. The program can operate from the CLI with single or multiple parameters or from Workbench via gadgets. Is compatible with Kickstart 1.3 or V2.04 and requires no external libraries or setpatch commands for the 68040 processor. This is version 1.5. Includes source. Author: Nic Wilson FF583, FF571

**CPUStandoff** This cute 'computer wars' animation is Bob's entry to the 1989 BADGE Killer Demo Contest. Lots of visual jokes in this one. Binary only. Author: Bob Janousek FF271

**CR2LFC** Converts carriage returns to line feeds in Amiga files. C program. AM3

**CrazyEight** Card game based on the children's traditional favorite. AM3

**Crc** Two programs that are very useful for generating 16-bit CRC listings of the contents of disks, and verifying that a given disk's files still compute to the same CRC's as listed. Version 1.0, binary only. Author: Don Kindred FF133

**CrcLists** Complete CRC check files for disks 521-710 using the brk program. These were made directly from my master disks. Along with the CRC lists from disks FF527 and FF 401, these lists will allow you to check all of the disks in the library to make sure they are correct and complete. Author: Fred Fish FF719, FF525, FF474, FF401, FF293, FF233, FF173, FF146, FF133

**creaport.c** Create and delete ports. C program. AM4  
**creastdi.c** Create standard I/O requests. C program. AM4  
**creatask.c** Creating task examples. C program. AM4  
**CreateA** replacement for the 'mkdir' command. It can create dir- ectories and files. Useful for some editors and other pro- grams that allow you to you define a file to load at start- time. In this case files can be created before calling these programs that usually give you nervous requestors on non- existing files. It accepts multiple files and directories, and is also useful for batchfiles. OS 2.xx only. This is version 1.1, freeware, binary only. Author: Hans-Peter Guenther FF750

**Creative And Time-Saving Techniques:** Enhancing and fine-tuning images through definition. Part of the Fractal series. Author: Paul Castonguay. AC13

**Cref** A C cross referencer program. Prints out your code with line-numbers and complete key-word cross-referencing. Includes source. Author: Mike Edmonds; Amiga port by Joel Swank FF166, FF103

**Cribbage** Another game in ABaSiC by the author of

Monopoly. Author: David Addison FF28

**crif** adds or removes carriage returns from files. In C source code and executable. Documentation included. AM14

**CRobots** A game based on computer programming. Unlike arcade type games which require human input controlling some object, all strategy in CRobots is condensed into a C language program that you design and write, to control a robot whose mission is to seek out, track, and destroy other robots, each running different programs. All robots are equally equipped, and up to four may compete at once. This is version 2.3w. Binary only, source available from author. Author: Tom Poindexter, Amiga by David Wright FF345, FF331, FF311

**Cross** A program that creates crossword puzzles. Has a message data file to allow easy translation into almost any human language, with English and German currently supported. Major new features are several new printer drivers including 'generic' and 'LaTeX', and many minor improvements. Includes source in M2Amiga Modula-2. Author: Jurgen Weinelt FF537, FF464

**CrossDOS** A 'tryware' version of a mountable MS-DOS file system for the Amiga. This is a software product that allows you to read and write MS-DOS/PC-DOS and Atari ST formatted disks (Version 2.0 or higher) directly from AmigaDOS. This tryware version is a 'readonly' version, which does not allow any writes to the disk. A fully functional version is available for a very reasonable price from CONSULTRON. This is version 4.00b. Binary only. Author: CONSULTRON, Leonard Poma FF382, FF252, FF240

**CrossFade** Interesting screen hack that smoothly crossfades between screens. Includes source. Author: Dallas J. Hodgson FF572

**CrossMaze** A crossword puzzle game where the player is given the words but no clues. The object is to find a way to place all the words back into the puzzle. Options include 10, 20, or 30 word games with one or two players. Version 1.0a. Binary only. Author: James Butts FF705, FF694

**Crunch** Removes comments and white space from C files, in source code and as an executable, a C program. AM8

**Crunchy Frog** It!: Adding windows and other odds and ends. Author: Jim Fiore AC10

**CryptoKing** A game for those who like to solve Cryptograms, (those coded sentences that have to be decoded to be read). Operate with keyboard or mouse. Shareware, binary only. Author: Robert Bromley FF710, FF609

**Cryptor** A program that encrypts and decrypts data (files). It uses a mathematical algorithm with password key protection. Has both English and German versions and documentation. This is version 1.0, binary only. Author: Thomas Schossow FF480

**Crystals** A computer simulation of three-dimensional crystal lattices which permit you to observe stereoscopic views of any of the fourteen Bravais lattices with a variety of orientations while rotating and positioning them in real time. The frame rate is between 10 and 30 frames per second depending upon the options selected and the Amiga being used. It is primarily intended for educators and students in physics chemistry and geology. It is most suitable for use in conjunction with a course in solid state physics or a course in crystallography. Version 2.15 shareware binary only. Author: David McKinstry FF590

**Csh** Replacement for the Amiga shell similar to UNIX csh. Main features include over 100 built in commands 70 functions new system variables file name compilation freely programmable command line editing file classes auto cd lazy cd intuition menus for the shell window automatic RX-ing local variables (\$) statement blocks high speed plus much more. This is version 5.19. Includes source. Author: U. Dominik Mueller C. Borreo S. Drew M. Dillon FF624, FF512, FF458, FF331, FF309, FF223, FF199, FF145, FF107, FF85, FF55, FF48, FF41, FF36

**CSquared** Implementation of Circle Squared algorithm from Sept '86 Scientific American 'Computer Recreations' column. Produces wildly colorful but mathematically precise patterns. By Bill DuPree FF38

**Ct** An Amiga program to display images from a CT scanner, along with several new interesting sample images of scans of real people. The display software, though it has a primitive user interface, is quite powerful, including functions like convolutions, averaging, laplacians, unsharp masking, edge detection, gradients, etc. This is version 2.2. Binary only. Additional image disks available from author. Author: Jonathan Harman FF235, FF137

**CTags** Create a tags file from the specified C, Pascal, Fortran, YACC, lex, or lisp sources. A tags file can be used by a cooperating editor to quickly locate specified objects in a program's source code. Berkeley V4.7, with source. By Ken Arnold, Jim Kleckner, and Bill Joy Ported to Amiga by G. R. (Fred) Walter FF197

**CTimer** A pair of programs for use with Sys1.3 and Sys2. CTimer will measure the execution time of any section of code from a complete program down to a single line. Freeware, includes source. Author: Chas A. Wyndham FF817

**CType** Another text file reader, but this one is small, reasonably fast, and includes bi-directional scrolling, search, go to a given percentage, and printing capabilities. Version 1.0, includes source in assembly. Author: Bill Nelson. FF237

**Cube** An animated Rubik's Cube simulator, solver, and tutorial. It uses two solving algorithms, one which can be applied by a human using simple rules, and another that is too complicated to be used except by a computer. Shareware, includes source. Author: Martin Gitelson FF733

**Cube4** A 3-dimensional version of 'zeros and crosses' on a 4x4x4 board which can be inspected from all sides. It is possible to change the skill of the computer game take back moves change sides and abandon. Version 1.2.1

binary only. Author: Joachim Tuckmantel FF594

**cubes1** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Cucug** This animation of the Champaign-Urbana Commodore Users Group logo was submitted to the 1988 Badge Killer Demo Contest by Ed Serbe. FF213

**Curses** A link library containing many of the terminal independent standard 'curses' functions. Designed primarily for those interested in porting UNIX screen based programs to the Amiga. Includes source and examples. Author: Simon John Raybould FF439, FF391

**Cursor** A 3-pass BASIC Compiler for BASIC programs written in AmigaBASIC, does not yet support all of the BASIC commands but is able to compile itself. This is version 1.0, includes source. Author: Jurgen Forster FF347  
**CustReq** A glorified ASK command for your startup-sequence. It generates a requester with the specified text, positive and negative gadgets (either of which can be the default), and an optional timeout value. Author: Jonathan Potter FF412, FF242

**CutAndPaste** Public domain implementations of the UNIX cut and paste commands. Includes source Author: John Weald FF87

**cutpaste** One of the many basic programs from FF13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**CWDEmo** Demo version of a pop-up utility to control the color register assignments of intuition custom screens. Binary only. Author: Kimbersoft FF283, FF238

**CWib** A programming tool that allows you to program top down, by splitting your program into many small, and understandable modules which 'tangle' tangles into a compiler understandable file. By applying 'cweave' to the program you can produce a pretty-printed listing for processing with 'TeX'. This is version 2.7. FF848, FF551  
**CWIToy** A program like Say or SpeechToy that allows your Amiga to communicate in International Morse Code. A lot of nice features for code practice or with a simple hardware interface even useful as a keyboard program for your transmitter. Version 1.0, includes source in C. Author: Rob Frohne FF517

**CyberCron** A cron utility for AmigaDOS 2.0. Uses the new, more flexible, AmigaDOS 2.0 technique for running programs. Offers an extended set of options that may be specified for any given event. Includes source. Author: Christopher Wichura FF801, FF682, FF656

**CyberX10** A program that can be used to control the CP290 home computer interface for use with the X10 home automation system. It requires KickStart 2.04+ and supports localization under WorkBench 2.1+. Includes documentation in AmigaGuide format. Includes source. Author: Christopher Wichura FF801

**CyclesA** simple but enjoyable game apparently inspired by the cycle game in the movie 'Tron'. Version 1.0, binary only. Author: John G. Gilmore FF78, AM22

**CyclicSpace** A Griffeathian cyclic space generator program. Implements a cellular automaton as described in the August 89 issue of Scientific American. V 1.42, includes source in assembly code. Author: A. J. Brouwer FF255

**Cycloids** An updated version of the hypocycloids (electronic spiograph) program first released on FF27. By Terry Gintz FF49

**CygcC** An AReXX programming tutorial. Author: Duncan Thomson. AC11

**CygnusEdDemo** Demo version of CygnusEd, an editor from CygnusSoft Software. CygnusEd supports simultaneous editing of multiple files, multiple views of the same file, very fast display, margins, word-wrap, status-lines, insert/overwrite mode, online help, soft scroll borders, screen overscan, adjustable tab size, macros, text formatting options, block/line/word cut/copy, and more. Also includes demo 3.0 version of ManOfXP Binary only. Author: CygnusSoft Software FF95

**Cyrillic** Cyrillic (Russian) 12-point font. Author: Elaine and Timm Martin FF427

**CyroTools** Four handy animation utilities from Cryogenic Software. Includes an animation creation tool that allows you to combine selected pictures into a standard animation, an animation information tool that is used to extract certain information from a given animation, an animation combining tool that allows you to join two animations into a larger one, and an animation splitting tool that allows you to split one animation into two smaller ones. Binary only. Author: Cryogenic Software FF428

**CZEd** A complete midi package for use with all Casio CZ synthesizers. Contains a full fledged sound editor, a split simulator for CZ-101/1000/230S, a bank loader and a memory dump for CZ-1. This former commercial package is now shareware. Binary only. Author: Oliver Wagner FF323

**D2D-Demo** Demo version of Disk-2-Disk from Central Coast Software (submitted by George Chamberlin). Binary only. Author: Central Coast Software FF82

**D110EdDemo** Demo version of an editor for Roland D-110. Bulk dump is available. Edited parameters are not submitted to Roland D-110. Author: Dieter Bruns FF515  
**dadcA** digital computer impersonating an analog clock impersonating a digital clock. Author: Perry S. Kivolowitz FF6

**Daisy** Example of using the translator and narrator devices to make the Amiga talk. It is written in C. AM24

**Dan Kary's** C structure index program. In C source code and executable. Documentation included. AM14

**Dance** These two programs, 'dancing polygons', are John's entry to the Badge Killer Demo Contest. They are variations of one another, but demonstrate the range of colors available on the Amiga. Includes source. Author: John Olsen FF126

**DarkA** small graphics and animation demo. Includes source.

# Freely Redistributable Software

Author: Phil Robertson FF162

**dart** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Dasm** A multipass, symbolic, macro assembler for multiple target machines, including 6802, 68705, 6803, and 6811. Supports conditional assembly, addressing mode overrides, arbitrary number of named segments, pseudops for repeat loops, data generation, etc. Version 2.12, includes source. Author: Matt Dillon FF287, FF169, FF167

**Databench** Databench is a new low-cost Database with some nice features like fast search, filter, password, import/export and more. Includes both English and German versions. Demo version only, binary only. Author: Eric Hambuch / APC&TCP Vertrieb FF830

**DataEasy** An easy-to-use data base program which includes a phone dialer, speech output, a simple screen editor for making and modifying the database definitions, a screen print function, form letter printing, sorting, searching, and two small sample databases. Binary only, source available from author. Author: J. Dale Holt FF526, FF417

**DataFiler** A database for names, addresses, phone numbers, etc. Has search and print capabilities. Version 1.01, binary only. Author: Ken Winfield FF721

**DataPlotA** program that plots data and algebraic functions in 2D. The user simply clicks on an option screen to select various options such as type of marker log or linear axis auto vs manual scaling gridlines. The macro language makes similar repetitive plots easy to do. Data points can be transformed by an algebraic function prior to plotting. A macro can be automatically executed upon start-up. Plots in any resolution from 320x200 to 640x400. Plots can be saved as macro commands and IFF ILBM files. Prints directly to Epson compatible printers or to any Preferences supported graphics printer via the PLT device. This is version 2.16 which now includes a Legend command and is now freeware. Fixes several bugs including the optimizer for DrawFunction. Source available from author. Author: J. Dale Holt FF576, FF532, FF121

**DataPlotDataPlot** is a very special function 'plotter'. It does not really plot the data but it creates a '.dat' file containing the function which you typed in and the corresponding values that have been calculated. The '.dat' file can then be read in by 'MultiPlot' (from AmigaLibDisk 467) so that you can manipulate the data with much more powerful functions than most normal function plotter programs offer. This is version 1.00. Public Domain. Source in C included. Author: Stefan Zeiger FF584

**DataToObj** A utility to convert raw data files (sprites, image data, text, etc.) directly into object code which can then be linked to the main program without the need to go through the compiling process. Includes source. Author: Werner Gunther FF172

**date** One of the basic progs. on FF13 Grab Bag. It is not certain which of the two early basics this program used. FF13

**Dated2Day** A simple program that gives the day name for the date selected by three padgets. Uses GadTools library, so requires AmigaDOS 2.04 or higher. Version 0.1, binary only. Author: Gérard Cornu FF826

**DateCheck** A Rexx program that validates the system date by comparing it to the date stored when DateCheck was last executed. If the system date is earlier or too much later than the stored date, the user is notified by a requester. Version 1.01. Author: Michael Tanzer FF793

**DateRequester** A module that provides intuition based support for soliciting a date value from the user. It supports both point-and-click selection of date values and direct entry of the individual components. It also includes a standalone ARexx driven date requester program which can be called from ARexx macro files. Includes source. Author: Mark Rinfret FF276

**Day2Day** A small program which can calculate the number of days between two dates. Very useful, if for example, you want to know how many days you have been alive. This is version 1.0. Includes source in assembler. Author: Preben Nielsen FF543

**Dazzle** A Graphics demonstration which produces patterns based on mouse movements. Executable program. AM9, FF15

**DBB** Digital Breadboard is a full GUI digital logic circuit simulator. Digital Breadboard currently supports 2 and 3 input AND, OR, NAND, and NOR gates, NOT and XOR gates, D, JK, and SR edge-triggered flip-flops, multiple independent clocks, switched and pulsed inputs, outputs, Vcc, GND, independent 4-channel oscilloscopes, event counters, variable speed timer, preferences printing, and more. Requires AmigaDOS 2.x. This is version 1.1, freeware, binary only. Author: Dan Griffin FF844

**Dbuf.gels** Sample program that demonstrates the animation routines for Bobs and VSprites. Uses double buffering to smooth the display motion. Author: David Lucas FF33

**Dbuff** Source code with a small demo to implement double buffering by adding a second ViewPort to an Intuition screen. Includes C source. Author: Andrew Martin, SciTech Software FF737, FF599

**Dbug** Machine independent macro based C debugging package. Provides function trace, selective printing of internal state information, and more. This is an update to the version released on disk 102, and now includes a machine independent stack use accounting mechanism. Includes source. Author: Fred Fish; profiling support by Binayak Banerjee FF232, FF102, FF41, FF2

**DC** A handy program for people who use an Amiga 1020 5 1/4 inch drive as an AmigaDOS floppy. A Workbench program that sends a DiskChange signal to the operating system: instead of typing "diskchange d12:" over and over again, just click on the icon. C source included. AM26

**DC10** An AmigaBASIC DC-10 instrument flight simulator. Appears to be quite in-depth with flight-planning and take-

off options along with an extensive documentation file.

Requires rebuilding on a separate disk and was successfully done so by following the author's instructions in the ReadMe\_First file. Author: Jan Arkesteijn FF150

**DCDemo** A demo version of DiskCat 2.3, a disk catalog program. Demo is limited to cataloging 100 files at a time. Binary only. Author: Ed Allford, MicroAce Software FF98

**DClock** A Dumb Clock utility that displays the date and time in the Workbench screen title bar. Includes an ARexx interface. Includes source. Author: Olaf Barthel FF398, FF388, FF325, FF296

**DCmd** A utility that monitors a CLI's console IO and copies it to a user specified file. The console IO is unaffected by this monitoring. Version 1.00, includes source. Author: Matthew Dillon FF408

**DeafLab** A program which translates text into hand signs for the deaf. Can be used to directly communicate with a deaf person that has trouble reading text, or used as a teaching tool for learning handsigning. Version 1.7, shareware, binary only. Author: Gary Creighton FF494

**Debt** A calculator suitable for dealing with numbers the size of the national debt. Will accept two 60 digit numbers and come up with a 2 digit answer. Includes source. Author: Martin Gifelson FF740

**Debug** A symbolic debugger for the Amiga. Features include symbolic disassembly, simple expression parsing, multiple breakpoints, memory fill, memory dump, single step in trace mode, skip over subroutines, etc. V2.10, binary only. Author: Jim Thibodeau and Larry LaPlume FF251

**DebugUtils** Some tools for use in debugging applications. When used with Enforcer and Mungwall, they comprise an integrated set that gives the programmer a powerful and flexible debugging aide. Author: Mark Porter FF663

**DeedGEL** An assembler program for stopping 68010 errors. In C source code and executable program. With documentation AM9

**Deelgel** A software fix for programs that use instructions which are privileged on the 68010/020/030. Includes source in assembly. Author: Bryce Nesbitt FF454

**DeekBrowser** A freely redistributable player for unbound CanDo decks. Version 1.5, binary only. Author: INOVAtronic FF530

**decmvt** Opposite of CONVERT for cross developers. C program. AM1

**DeepSky** A database containing information on 10,368 non-stellar objects, 600 color contrasting easily resolved double stars, 70 stars for setting circles, and misc white dwarfs, red stars, binaries, etc. The database is distributed in zoo format, yielding 1.2 Mb after extraction. V 5.0. By Saguro Astronomy Club FF219

**Defdisk** CLI utility to re-assign a new Workbench disk. In C source code and executable. Documentation included. AM18

**DefT** A program to change the default tool of project icons. Will search through a disk or directory, finding all icons that contain a specified default tool and change that tool to a different one. It is useful for changing the default tools of all the doc files on disk to your favourite text reader, for example. Version 1.0, binary only. Author: Gary Smith FF739

**DefTool** Programs that allow you to easily change the default tool of one or more project icons, from either the CLI or from Work- Bench. The WorkBench version is a commodity. Binary only. Author: Robert Lang FF719

**Degas.plc** A Degas dancer IFF screen. AM6

**Degas2.plc** A Degas dancer.IFF screen. AM6

**Degas3.plc** A Degas dancer. AM6

**Degas4.plc** A Degas dancer. AM6

**Degrader** Degrades your machine to try and get badly written programs to work. Locks out fast memory turns off cache and burst modes traps privilege errors forces PAL or NTSC modes etc. Survives reset. Version 1.00 binary only. Author: Chris Harnes FF562

**dehex** Simple little program to convert hex format file into a binary file. Reads lines of hex characters on stdin and writes 8 bit dehex'd bytes to stdout. Author: Fred Fish FF10

**Deksid** A disk and file hexadecimal editor. Useful for editing binary files. Version 1.10, shareware, binary only. Author: Christian Warren, Marc Dionne FF441

**DeliTracker** A powerful and system friendly music player. Features include configuration files, GUI, full ARexx control, flexible player interface and xpk support.

DeliTracker will play all popular sound modules available on the Amiga. Currently it supports over 40 different module formats. The most important players (PT/ST/NT) are internal. Additional players (like MED, 8SVX, SMUS, ...) may be loaded from disk. Includes the source of nearly all external 'deliplayers'. Version 1.30, shareware, binary only. Authors: Peter Kunath and Frank Riffel FF748

**DeluxeBeep** A little program that uses the exec SetFunction call to play a sound sample of your choice whenever a program calls the Intuition DisplayBeep routine. Includes source and instructions on how to install your own sounds. Author: Jan van den Baard FF435

**DeluxeChanger** Converts binary files to assembler, basic, or C source code data initialization statements. It is useful to add graphics or sound samples to programs as initialized data. Version 1.0, includes source in assembler. Author: Andreas Ropke FF439

**DeluxeDraw** The drawing program from AC v1.3 in AmigaBASIC. AM8

**DEM** A program to compute mandelbrot's via the Distance Estimator Method, as described in the book The Science of Fractal Images by H. O. Pletgen and D. Saaup. It is used to make high resolution black-and-white images. This is a batch mode type program so several images can be generated, one after the other, without any human interaction. Includes source. Author: Lars Clausen FF303

**Demo** Multiwindow demo. ABasic program. AM1

**DEMolition** Another neat little display hack. In the spirit of

these things, ya gotta run it to find out what it does.

Includes source. Author: Kríton Kyrimis FF89

**Demon** This program implements the Demons cellular automaton as described in the August, 1989, issue of Scientific American. Using extremely simple rules it exhibits rather complex behaviour. Includes source. Author: Lars Clausen FF303

**DeskJet** A CLI/Workbench interface to control a Hewlett-Packard Desk- Jet 500 printer, enabling the user to select an internal font to print one or more files, or to initialise the printer. Includes source in SAS C. Author: Maurizio Loreti FF663

**Detache** A very small and simple utility that will detach a file from the file system. Note that this is completely different than deleting a file. In particular, Detache works even if the file system did not restart properly because of a failed validation. This happens rather frequently if the Amiga crashes during a write on a hard disk partition: you get the dreaded 'checksum error on block xxx' requester, and no writes are allowed to the partition. If you know the name of the guilty file (the file the faulty block belongs to) you can simply detach it, and the file system will be happy to restart. Requires OS2.04, binary only. Author: Sebastiano Vigna FF773

**DevKitA** collection of C and ARexx language programs to facilitate the software development process. With DevKit, you can launch your compiler from within your editor, have the cursor positioned on your errors, look up the autodoc page for any Amiga function at a single keystroke, find a system structure within the include files, or find any function in the code you are writing. Version 1.2, includes source. Author: Peter Cherna FF297

**DevPatch** A program that installs a patch for OpenWindow to check the NewWindow structure. If the title matches a specific string, the height will be forced to 45 pixels. This helps to reduce chip memory usage for programs that open overly large windows and then seldom use them. Includes source. Author: Jorrit Tyberghien, Nico Francois, P. Marivoet FF332

**DevRen** A DEVICE RENamer, originally designed to allow the renaming of an external drive on an A2000 (always recognized as DF2): to be DF1: However, works with any mounted device such as RAD: RAM: RAW: CON: etc, as long as the original and renamed version have the same character length. Version 1.5, includes source. Author: Stefan Rosewig FF378

**Devstat** Assembly code example of locating and listing information about all mounted devices. Includes source. Author: Fabrice Lienhardt FF292

**dex** Program to extract documentation in a human readable format inside source files, and produce nroff style output for manuals and other such external documents. First ever public release. Author: Fred Fish FF14

**DezHexBin** An intuition based programmers tool to convert integers between decimal, hexadecimal, and binary. Very small. Version 1.1, includes source in assembly code. Author: Michael Djavidan FF321

**DFA** NOT just another address utility. DFA(ddress) features email support, dialing, different types of printing addresses, full commodity support, application icon, ARexx port, font sensitive windows and can be fully directed by the keyboard. This is version 1.1. Shareware, binary only. Author: Dirk Federlein FF782

**DFC** Disk Format and Copy program. A nice, general purpose, disk formatter and copier. Includes source. Author: Tom Rokicki and Sebastiano Vigna FF447

**DfcCopies** disks like Maurader, but multitasks. Replaces both diskcopy and format but is smaller than either. It even has a nice little intuition interface. Includes source. By Tomas Rokicki FF131

**Dfrags** Disk Fragmentation reporting utility. Displays disk fragmentation for both floppy and hard disk devices. Does not attempt to change any data, just gives a report. Version 2.02, shareware, binary only. Author: Custom Services FF461

**DFrame** This utility helps you create animated bobs. It installs itself in DPaint II, after which you can draw each bob in DPaint II within its own frame and check the animation by calling DFrame from within DPaint. V1.02, binary only. By Jan Bultenhuys FF221

**Dg210** Data General D-210 Terminal emulator. Suggested \$12 donation Author: Steve Lenz FF40

**DGCS** Deluxe Grocery Construction Set, simple Intuition-based prog for assembling and printing a grocery list. AM24

**dhystone** Dhystone benchmark program. Author: Reinhold Weicker (Ada version) Rick Richardson (C version) FF1

**Diamonds** Drive your little thief buggy around the screen and try to pick up the diamonds while avoiding all the nasties on the screen. Freeware. Binary only. Author: Harshy Wanigasekara FF660

**DICE** Dillon's Integrated C Environment. A C frontend, pre-processor, C compiler, assembler, linker, and support libraries. Features include ANSI compatibility, many code optimizations, and autolink routines (user routines called during startup before main is called). This is version 2.06.21. Includes bug fixes and experimental dynamic object module loading support. Shareware, binary only. Author: Matthew Dillon FF491, FF466, FF443, FF359

**Dick2RAM** 2 programs to move the Scribble spelling dictionary to and from the RAM disk. AM26

**Died** A full-screen ANSI editor including an animation utility. Provides PAL and NTSC compatibility. Many useful features such as horizontal and vertical block cut/pasting operations, line/block/screen centering, save defaults and more. Version 2.4, binary only. Author: P-E Raue FF388

**DietAid** Diet planning aid to allow the user to compile lists of ingredients (recipes) and automatically compute calorie totals, etc. by Terry Gintz FF179, FF36

**Diff** A simple version of diff. Author: Erik Baalbergen FF87, FF75

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**Diff** Port of GNU Diff, containing 'cmp', 'diff', 'diff3', and 'sdiff'. Provides all the features of BSD's diff plus options to diff non-ASCII files, to ignore changes that just insert or delete blank lines, to specify the amount of context for context diffs, plus more. Version 2.1. Includes source. Author: Mike Haerel, et. al. Amiga port by Carsten Steger FF821, FF281, FF231, FF138, FF107, AM11

**DiffDir** Compares the contents of two directories, generating a list of differences to the standard output. Detects files or directories present in one hierarchy but not the other, file attributes that are different (dates, flags, comments, etc), and differences in file size. Author: Mark Rinret FF281, FF188

**DiffSed** Dif produces a difference file which lists the line by line differences between any two text files. These differences can be fed to ssed (a stream type editor), along with the original text file, to remotely reproduce the other (new) file. Binary only. Author: Chuck Forsberg, Amiga port by Rich Schaeffer FF51

**Digitized Sound:** Using the Audio.device to play digitized sounds in Modula-2. Author: Len A. White AC3

**Digitb** An Amiga device independent graphics library for fortran applications. This is an enhanced and debugged version of a public domain library, the development of which was sponsored by the US Government. This library is required for part of the Matlab package, also included on this disk. Includes source in FORTRAN. Author: Hal Brand, Craig Wuest, James Locker, Mike Broida FF499, FF267

**dimensiona** Programs to demonstrate three and four dimensional graphics. Not quite sure how else to describe them! Author: Anselm Hook FF14

**DinA** Library that allows you to share image and text objects between programs. The din.library is ideal if you want to write an editor and a DTP program that can share text, or a drawing program and a DTP program that can share a brush. Requires AmigaDOS 2.0. This is version 1.0, some source included. Author: Jorrit Tybergheln FF414

**DioA** module which makes it very easy to use EXEC devices, such as the 'serial.device'. It's generic and can be used with any EXEC device. It allows you to easily open libraries, get multiple IO channels for a device, read, write, do asynchronous operations, etc. Includes source. Author: Matt Dillon FF73

**Diplomacy** A classic strategy game loosely based on World War I. Designed for several players but can be played by as few as 2. The computer manages the game resolving orders and graphically displaying the current status. Also provides map design capabilities for game variants. Version 2.0 shareware binary only (source available from the author with shareware payment). Author: Steve Douthat FF582

**DirectoryOpus** A slightly disabled demonstration version of a powerful commercial directory utility. Very user friendly and configurable, with many features. Binary only. Author: Jonathan Potter FF412

**DirKing** A very powerful replacement for the AmigaDOS 'List' and 'Dir' commands. It gives full control on the format of the directory listing and what information should be printed. The directory can be sorted on any field, or on several fields in the order you want. Supports many filters, such as name and date, and the filters can be made effective on files only, directories only or on both. You can also define a pattern for each level of the directory tree. Has an LFORMAT option which is useful for generating scripts. A unique feature is the ability to monitor the scanning process. English version supplied, German, French and Dutch versions available from the author. Version 2.10, shareware, binary only. Author: Chris Vandierendonck FF784

**DirMaster** A very nicely done shareware disk cataloger, submitted by the author for inclusion in the library. Lots of neat new features and enhancements. Binary only. Author: Greg Peters FF130, FF89, FF108, AM26

**DirUtil** An enhanced version of the dirutil from FF35. Dirutil is a program to wander around a directory tree and perform various operations on files. Author: Chris Nicotra, enhancements by Johan Widen FF49, FF40, FF35, AM11

**DirUtil2** Another variant of dirutil.Author: Chris Nicotra, enhancements by Ed Alford FF35

**DirWork** A fast, small, efficient, DirUtility. Configurable options and buttons, as well as all the usual features. Comes with external configuration editor. Shareware, binary only. Author: Chris Hames FF721, FF670, FF570, FF511, FF508, FF406

**DisAn** AmigaDOS shareable library which implements a symbolic single-instruction disassembler for the MC68000 family and a program which uses the library to disassemble/dump AmigaDOS object files, making full use of symbolic and relocation information. With source code in Draco. By Chris Gray FF240, FF160, FF128

**Dis6502** A ported 6502 disassembler with support added for C64 binary files. Includes source. Author: Robert Bond, Amiga port by Udi Finkelstein FF170

**Disassem** A simple 68000 disassembler. Reads standard Amiga object files and disassembles the code sections. Data sections are dumped in hex. The actual disassembler routines are set up to be callable from a user program so instructions in memory can be disassembled dynamically. Author: Bill Rogers, Univ. of WAIKATO (New Zealand) FF27, AM3

**DisDF** Program to disable DF0-DF3 to stop that empty drive clicking by putting the trackdisk.device tasks in a removed state. Can be run from CLI startup script or WB. Command line options select drives and also remove the File System tasks to reduce CPU load a little more. This is version 1.1. Includes source. Author: Patrick F. Misteli FF558, FF531

**DisEditor** This is a demo of the dissidents shareware text editor. Version 1.1, binary only. By Dissidents Software FF348

**DiskCat** catalogs disks, maintains, sorts, merges lists of disk files. AM15

**DiskKey** A sector oriented disk monitor with lots of useful features like disassembler user-friendly ASCII and hex editing facility and extensive search options. Useful for salvaging data from damaged disks or for learning about the inner workings of AmigaDOS. Supports req.library and external disassembler libraries. Can be iconified to conserve memory. Comes bundled with German and English documentation and a multilingual user interface. On NTSC machines DiskKey will be forced to interface mode. The version on this disk is 2.1 shareware binary only. Author: Angela Schmidt FF564

**diskfont.txt** Warning of disk font loading bug. C program. AM4

**DiskFree** An small iconifiable intuition program that shows the amount of free space available on all mounted disk devices, both numerically and graphically. Version 1.0, shareware, binary only. Author: Dieter Kuntz FF324

**DiskHandler** A sample implementation of a file system that reads and writes 1.2 format diskettes. Includes source. Author: Software Distillery FF236

**DiskInfo** A program like the AmigaDOS 'Info' command, but it gives more extensive information on the disk (volume) and/or on the device requested. Version 1.00, freeware, binary only. Author: Chris Vandierendonck FF783

**diskio.c** Example of track read and write. C program. AM4

**Diskless Compiler:** Setting up a compiler environment that doesn't need floppies. Author: Chuck Raudonis AC3

**DiskLib** Two utilities for those people who like to split up PD disks into disks of different categories. Includes source. Author: Wilson Snyder FF154, AM19

**DiskMan** Another 'disk browser and/or dirutil' type program. Version 1.0, binary only. Author: Greg Cunningham FF82

**DiskMapper**Displays sector allocation of floppy disks. Author: Leo Schwab FF33

**DiskMate** A disk utility with multidrive disk copier (either DOS or nonDOS disks), disk formatter, disk eraser, disk installer, and floppy disk checker. Version 3.0, binary only. Author: Malcolm Harvey FF804, FF723

**DiskperfA** disk benchmark program which runs on both Unix and the Amiga. By Rick Spanbauer, enhancements by Joanne Dow FF187, FF48

**DiskPrint** A label database which prints and stores disk labels for 3.5" and 5.25" disks. Primarily created as a combined database and print utility for FD disks, it includes easy-to-use label library functions (like printing labels for a whole FD series in one turn or multiple print of one label) and labels for most FD disks which are available within a few mouse clicks. Features include a fast search routine, user-definable label layout, different label sizes, intuition-based disk directory read-in and a lot more. Very configurable. Works fine with every printer connected to the parallel port and AmigaOS 1.2, 1.3, and 2.x. This version now includes DESKJET support for single label sheets. Includes both English (PAL & NTSC) and German versions. Shareware, binary only. Author: Jan Geissler FF844, FF685, FF567, FF546, FF461, FF441, FF433, FF411

**DiskSalv** A disk recovery program for all Amiga file system devices that use either the Amiga Standard File System or the Amiga Fast File System. DiskSalv creates a new filesystem structure on another device, with as much data salvaged from the original device as possible. Binary only. Author: Dave Haynie FF251, FF212, FF177, FF164, FF20, AM8

**DiskSpeed** A disk speed testing program specifically designed to give the most accurate results of the true disk performance of the disk under test. Automatically updates and maintains an ASCII database of disk results for tested disks. Includes source in C. Author: Michael Sinz FF665, FF574, FF329, FF288, FF251

**DiskTalk** A cute little program, like munchio on disk 137, which plays digitized sound samples when you insert or remove a floppy disk. Samples are saved as IFF sound files. Version 1.0, binary only. Author: Nico Francois FF302

**DiskTest** A utility to test the integrity of floppy and hard disks, ala Norton Utilities. This is version 2.03. New features include a completely revised GUI, implemented with a text scroller. Requires AmigaDOS 2.04 or later. Public domain, includes source. Author: Maurizio Loreti FF828, FF663

**DiskWipe** Latest from Software Distillery, removes files from directories or disk drives, much faster than 'delete.' AM25

**DiskX** Nicely done Sector-based disk editor. Binary only Author: Steve Tibbett FF158, FF71

**DiskZap** Program to 'edit' a disk, sector by sector. Version 1.1. Author: Paris Bingham Jr. FF50

**Display** Graphics display program to display HAM images from a ray tracing program. Includes some really spectacular pictures Author: Dave Wecker FF39

**DispMod** One of the series of ROBBS (Rexx Object Building Block System) modules by Larry Phillips. DispMod is a display module that only understands ARexx messages. It allows, under program control, the display of text and the acceptance of keyboard data. V0.11. With source. By Larry Phillips FF326

**DisSecretary** This program can be used to file information in a 'file cabinet' type environment. It is well suited for jobs such as maintaining a disk catalog, or user group membership, etc. Included is a data file of the library catalog, disks 1 to 310. Version 'Wanda', binary only. By Dissidents Software FF348

**DissiDemos** Demo of Midi Sample Wrench, which provides pro sample edited features for owners of musical samplers. Version 1.1, binary only. Author: Jeff Glatt FF307

**Dissolve** A program like ViewLBM, but the image slowly coalesces as pixels are added in random patterns. Inspired by an article in Nov 86 issue of Doctor Dobb's Journal by Mike Morton. Includes source. Author: Lee Robertson FF73, AM15

**DisTerm**The dissidents telecommunication program. Has

built in phone directory requester, autodial, various file transfer protocols, ascii send and capture, full/half duplex, split window, color requester, macro keys, selectable baud, CRLF expansion, automatically configured per phone entry. Binary only. Author: Jeff Glatt FF462

**Division** An educational program for kids of all ages that helps to develop and sharpen division skills. Has four levels, a practice section, and a testing section. Version 1.1, binary only. Author: Ken Winfield FF721

**Dk** A little display hack, inspired by Leo's gems. Written in Modula-2, includes source. Slightly newer than version on FF66. Author: Thomas Handel FF69, FF66, AM18

**DKBTraceA** freely distributable raytrace program that takes a text description of a 3D scene and renders it to a 24-bit file which may be converted to HAM or viewed on an 24-bit card. The program features sophisticated textures, constructive solid geometry, and various graphics primitives such as quadrics (cones, cylinders, etc.), spheres, planes, triangles, smooth triangles, and quartics (donuts, etc.) Also included are many sample data files and many utilities for creating new data files and for post-processing the output files. Source and executables are included. Because of its size, the distribution has been split onto two disks. Disk 513 contains the raytracer and disk 514 contains the utilities. This is version 2.12. Author: David Buck FF514, FF513, FF397

**DM-Maps** IFF maps to the Dungeon Master game. All 14 levels are described. Author: Unknown FF240

**DMake**Matt's version of the UNIX make utility. Features multiple dependencies, wildcard support, and more. This is version 1.0, now includes source. Author: Matt Dillon FF440, FF246, FF179

**DMD** A package that adds many powerful features to DME, including outlining and word processing capabilities. Word processing features include spell checking, ANSI code insertion, pagination, double spacing, text justification, requester for in-sering any character, find & replace requester, and intelligent paragraph reformatting. Outlining features allow you to write and renumber outlines. Includes many ARexx macros, a large '.edrc' file, a spell checking program, and a dictionary. Version 2.00. Author: Fergus Dunihio FF645

**Dme** Version 1.45 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Author: Matt Dillon FF530, FF441, FF284, FF168 & 169, FF153, FF134, FF113, FF93, FF87, FF74, FF59

**DmeAsm** A utility for those who use Matt Dillon's Dme editor and HighSoft's DevPac Assembler. DmeAsm is a CLI command file that takes your source code as a parameter and opens a window similar to the Assemble window inside Devpac (Genam2) and gives similar options. If no parameter is supplied then the window will still open and you can supply your own. Version 1.1, includes source in assembly Author: Nic Wilson & W Weber FF365

**DMEFFReq** A tool to replace the arp file requester calls of dme or other editors with the asl one. It saves the selections to some env variables which can be easily examined from rexx or batch scripts. Includes examples of how to use it in Dme. Requires AmigaDOS 2.04 or higher. Version 1.00, freeware, binary only. Author: Hans-Peter Guenther FF826

**DmeMacros** A set of DME macros which utilize templates to turn DME into a language-sensitive editor for C, Pascal, Modula-2, and Fortran. Author: Jerry Mack FF146

**DMouse** A versatile screen & mouse blanker, auto window activator, mouse accelerator, popcl, pop window to front, push window to back, etc, widget. Includes source. Author: Matt Dillon FF421, FF407, FF258, FF238, FF168 & 169, FF160, FF145, FF105

**DMS** DISK-Masher is a utility that allows users to compress and archive entire floppy disks. Offers four different types of compression, extended virus checking of boot blocks, and data encryption. Requires at least 512K of memory. This is version 1.01, binary only. Author: SDS Software FF406

**DNetA** link protocol that provides essentially an unlimited number of reliable connections between processes on two machines, where each end of the link can be either an Amiga or a Unix (BSD4.3) machine. Works on the Amiga with any EXEC device that looks like the serial.device. Works on UNIX with tty and socket devices. Achieves better than 95% average throughput on file transfers. V2.10.13. Includes sources for both the Amiga and Unix versions. By Matt Dillon FF294, FF220, FF145

**Do It By Remote:** Build an Amiga-operated remote controller for your home. Author: Andre Theberge AC9

**DocDump** A print utility that puts 4 pages of text on one sheet of paper, including page-headers. Beside the normal Dump mode, a double-sided Booklet mode is also available. DocDump uses its own printer drivers, making one yourself is easy. Version 3.6, binary only, shareware. Author: Robert Grob FF800

**DockBrushes** Two PAL pictures containing brushes to be used with AmiDock (Shareware program by Gary Knight), or other such utilities. One is in hi-res (640 x 256 2 bit planes), the other in hi-res interface (640 x 512 2 bit planes). Author: Gérard Cornu FF750

**DockIcon** Collection of miscellaneous icons with a definite NeXT flavor, for AmiDock, ToolManager, and a new graphical interface under development. Author: François Pinault FF664

**DocPrint** This program is a papersaver for those who use fanfold paper in their printers. It is able to print the odd and the even pages separately with page-numbers and header and footer. Can be called from Workbench or via CLI with textname as argument for use with DirOpus or SID. Can print powerpacked files. All settings can be stored in a config file. Comes in two versions, English and german.

# Freely Redistributable Software

Needs AmigaDOS 1.3 or higher, powerpacker.library (included) and PAL-mode. This is version 2.00, shareware, binary only. Written in Modula2. Author: Hartmut Jäger (Bäri-Säger) FF836

**DccSplitA** program to split the 1.3 autodoc files into individual subroutine files. One file is created for each subroutine, with the name created by appending .doc to the subroutine name. Version 1.0, includes source. Author: Joel Swank FF304

**Doctor\_A** This animation of Amiguy on the basketball court is Marvin's entry to the 1989 BADGE Killer Demo Contest. The animation source (for SculptAnimate-4D) is available from the author. Author: Marvin Landis FF268

**Dodge** Short Modula-2 program moves the Workbench screen around after a period of time, prevents monitor burn-in. AM25

**Dog** A puzzle where the object is to push boxes to designated locations. Uses HAM mode and is written in JForth. Relative difficulty for this puzzle is easy, but it will take over a half hour for most people to find the solution. This is version 1.0, binary only. Author: David M Cole FF647

**dogstar** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DogsWorld** This animation is Charles' entry to the 1988 Badge Killer Demo Contest. By: Charles Voner FF212

**Dominoes** The standard game of dominoes with 6-6 set. The computer will provide quite a challenge to any skilled player. Version 1.0, includes source in Basic. Author: Russell Mason FF501

**DonsGenies** A collection of more than forty AREXX 'genies' for use with Professional Page, plus some supporting material. Also includes two example AREXX scripts for Art Department Professional. Version 1.0, shareware, includes source. Author: Don Cox FF724

**DoPro** This program patches the Intuition OpenScreen routine to change the ViewMode of a new screen eg, to open a NTSC instead of a PAL screen or to use Productivity instead of an interlaced display. In fact you can change most parameters in the NewScreen structure. This is version 1.5 includes source. Author: Michael Illgner FF564

**DoRevision** This program implements easy creation of source code revision headers (very similar to the log headers to be found at the top of the Amiga 'C' include files). Version 1.0, includes source. Author: Olaf Barthel FF325

**DosControl** A new directory tool that combines the functionality of many separate tools allowing you to control the operation of your Amiga with a single program. Version 3.1 binary only. Author: Uwe Brosch FF807

**DOSDev** Example DOS device driver in Manx C. Version 1.10, includes source. Author: Matt Dillon FF113

**DosError** A small CLI utility that will return a slightly more verbose description of a DOS error code than that returned by the System. Can save a trip to the manual for vague or unfamiliar error codes. Version 2.0, includes source in assembly. Author: Robert Lang FF366

**DOSHelper** Windowing program to print help information about various DOS command. Version 1.60. Suggested \$10 donation. Author: John Youells FF40, AM14

**DOSKwik** A pair of programs which allow you to save files, or a group of files, to one or more floppies for quick loading (loading up a RAM disk for example). Does not store files in DOS format, which is why it is faster. Binary only, shareware. Author: Gary Kemper FF129, FF103

**DosManager** You can copy, delete, move, view, show as pictures, play as samples, rename, ..., files with this program. It is also possible to program a personal command with Dos-Manager. This is version 1.0, shareware, binary only. Author: Jurgen Stohr FF533

**DOSPlus1** First volume of CLI oriented tools for developers. Executables only. Author: Bill Beogelien FF32

**DOSPlus2** Second volume of CLI oriented tools for developers. Executables only. Author: Bill Beogelien FF32

**DOSWatch** Monitor for calls to AmigaDOS via dos.library. Needs Kickstart 1.2 or 1.3. This is version 1.0. HiSoft Devpac Assembler V1.21 source included. Author: A.Voss Wrede FF501

**DotIt** Lists, in alphabetical order, all files on any two directories, showing file size, creation date/time, and amount of free disk space. Also copies, renames, or deletes files and/or directories, and moves files from one directory to another. Version 2.0, shareware, author suggested \$15 donation. By Dan Frankl FF70

**Dots-Perfect** Printer driver for an Epson MX80 printer with the Dots-Perfect upgrade kit installed. Includes source. Author: Robbie Akins FF108

**dottySource** to the 'dotty window' demo on the Workbench disk. Posted to usenet by Dale Luck. FF1, AM1, AM4

**Double Playfield**: Shows how to use dual playfields in AmigaBASIC. Author: Robert D'Asto AC2

**DoubleSquares** A game played on a 10x10 board, where the goal is to set as many tiles on the board as possible. There are 100 different color combinations for a single tile, and rules which control where tiles may be placed. Shareware, binary only. Author: Manfred Kopp FF702

**Downhill** A skiing arcade game. Ski sklyar mountain, a dangerous, steep, downright scary mountain with bonus flags to pick up, rocks, bushes, and branches to jump over, all while avoiding obstacles such as trees. The longer you stay up the faster you ski and the more points you get. Binary only, joystick required, works only under AmigaDOS 1.3. Author: David Alves FF425

**Doser** An IFF picture of a bulldozer. AM7

**Dpatch** This program allows you to change the default overscan sizes used in DeluxePaint 3.25 & 4.02. This is especially useful for loading in old animations created with Dpaint 3.14 and animations created in other programs whose screen sizes do not match the default Dpaint sizes.

Author: Colin Bell FF557

**dpdecode** decrypts Deluxe Paint, demo. AM14

**DPFFT** An enhanced version of DPlot. DPlot is a simple display program for experimental data, with the goals of supporting paging through lots of data and providing comfortable scaling and presentation. DPFFT includes the ability to plot a Fast Fourier Transform (FFT) of the data, customized amplitude and phase spectrum, prewhitening capability, and a Welch window for spectral smoothing. Version 2.2, binary only. Author: A. A. Walma FF364, FF324

**DPlot** A simple display program for experimental data, with the goals of supporting paging through lots of data and providing comfortable scaling and presentation. V2.0 Binary only. By A. A. Walma FF290

**DPS** Demo version of a program to take any IFF file and save it as a totally self-contained executable file, without the need for any IFF-viewers. V1.0, binary only. By Foster Hall FF184

**Dps** A program designed to work with the PrintScript program, a commercial PostScript interpreter for the Amiga, to provide a page previewer. V 1.1 with source. By: Allen Norskog FF209

**dpelide** A slide show program for displaying graphic images which are in the IFF format, such as output from the Electronic Arts Deluxe Paint program. Allows the user to select the display time for each slide and the method of bringing the slide up to the screen, and then removing it. Double buffers images to improve smoothness of display. Author: Paul Biondo FF11, AM3, AM6

**DPU** Disk Peek and Update, a hex disk and file editor. Functions include show device info, show bitMap, check disk, zap file, zap disk, zap fileSystem and zap rigid disk blocks. This is version 1.2, binary only. Author: Frans Zuydwijk FF721

**Dr** Another alternative CLI directory lister command. This one features extreme optimization for speed, a variety of output formats, hiding of .info files by default, and AmigaDOS pattern matching. It is pure (residentable). It is intended to outperform all other directory listers. Includes the additional utilities ForEvery and Whichever. Release 1.2, includes source. Author: Paul Kienitz, FF429

**Draco** Update to Chris Gray's Draco distribution for the Amiga. Enhancements include support for floating point, register variables, more optimization, improved call/return standard, etc. V1.2 Requires documentation from FF77 to complete the distribution kit. Binary only. By Chris Gray FF201, FF76 & 77

**Dragit** Allows you to move or size a window without having to use the drag bar or sizing gadget. Press on the configurable qualifier, while holding it, press your selected mouse button, and move the mouse. You'll see the window border appear, and you'll be able to drag or size it. Requires OS 2.0, supports localization with locale.library and the new style 2.1 (or 3.0) preference. Version 2.01, binary only. Author: Steve Lemieux FF792

**dragon** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DragonCave** A nicely done Sokoban like game for the Amiga. Features include sound effects, two or three dimensional graphics, 100 levels (50 of which can be customized with the built-in editor), undo of up to 1000 preceding steps, transparent copying of data files to ram: for reduced load times, both English and German versions, and more. Version 1.0,0, binary only. Author: Hartmut Stein and Michael Berling FF395

**draw** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DrawMap** A program for drawing representations of the Earth's surface. New features include seven new types of map projections, user specifiable point to be at the center of the maps, and box views that can now cross the international date line. Also includes accelerated version requiring a 68020 CPU and 68881 FPU, and versions for PAL systems. Requires 1.5 Mb of memory and a hard disk with 1.6 Mb of free space. Distributed in two parts on two disks. Both parts are required. This is version 4.1. Includes full source. Author: Bryan Brown, FF719&FF720, FF639 & FF640, FF545, FF441, FF284, FF168 & 169, FF153, FF134, FF113, FF93, FF87, FF74, FF59

**Drawmap** A program for drawing representations of the Earth's surface. This version includes a completely rewritten user interface and some new functions. Includes source. Authors: Bryan Brown & Ulrich Denker FF485,, FF315, FF229

**DRES V1** Support (run time) library w/ lots of functions including a generic parser & IPC. FF168 & 169

**Drip** Drip is an arcade style game with 15 floors (levels). You must move along the pipes of each floor and rust them to advance to the next level. Every 3 floors completed will entitle you to a bonus round where extra drips can be won. An extra drip will also be awarded for every 10,000 points. Binary only. Author: Art Skiles FF347

**Driver** Demo device driver in source. Functions as a RAM disk for demonstration purposes. Author: Lee Erickson FF39

**Drivers** Printer drivers for the Canon BJ10, BJ20, BJ130, BJ300, BJ330, and the 9 pin Epson model Star printers. Includes preferences programs for controlling additional options such as margin, timeout, job and signal, arXon switch box, greyscale conversion function, customized tab stops, default typeface, and more. Binary only. Author: Wolf Faust; distributed by Canon Europe N.V. FF696

**DriveWars** DriveWars is a Shareware shoot'em up game that pits you, dfo: or df1:, against a computer virus that is about to destroy all U.S. records of Iraq's positions during operation Desert Shield. In version 1.0, you must fly dfo: through the computers and destroy all contaminated chips and disks. Author: Joe Angell FF400

**DropCloth** DropCloth lets you place a pattern, a 2 bitplane IFF image or a combination of a pattern and image, into the WorkBench backdrop. This is version 2.4. Shareware, binary only. Author: Eric Lavitsky FF201, FF128, FF59

**DropShadow** Dropshadow version 2, rev 0, for use with Bryce Nesbitt's Wavebench demo. Binary only. Author: Jim Mackraz FF112, FF87, FF74, FF59, AM18

**DSDemo** Demo version of Distant Suns, an Amiga planetarium program that has collected numerous awards. Comes in two versions, one that runs under AmigaDOS 1.3 and uses software floating point, and another that runs under AmigaDOS 2.0 and requires a hardware floating point coprocessor. The demo includes a star database with approximately 3700 stars, some limited lunar images, and Halley's comet. Requires 1 Mb of memory. This is version 4.1, binary only. Author: Mike Smithwick FF643

**DSM** Dynamic Sound Machine Demo version with 'Save' disabled of a program that will take any IFF sound or raw data and save it as a totally self-contained, runnable program. By Foster Hall FF167

**DSound** DSound is 8SVX sound sample player that plays samples directly off the hard drive. The sound sample is played as it is loaded, making it possible to play sound samples of any length even under limited memory conditions. Version 0.91a, includes source. Author: Dave Schreiber FF546

**DSound** DSound is 8SVX sound sample player that plays samples directly off a hard drive, without having to load the entire sample into memory first, making it possible to play samples of any length even under limited memory conditions. This is version 1.20. This version adds sample looping, the ability to abort using CTRL- C, and the ability to prevent DSound from opening a window. Includes source. Author: Dave Schreiber FF729, FF654

**DT A 'DiskTest'** utility for floppy disks, la Norton Utilities. Version 1.12, includes source (SAS-C). Author: Maurizio Loreti FF539

**DTC** A utility providing a simple calendar which can hold and show appointments. It may be useful in managing your time. Its chief goals were to provide day, week and month at a glance for any date between 1/1/0001 and 12/31/9999, defaulting to the current date. It is menu driven and fairly easy to use. With source in Fortran. By Mitch Wyle, Amiga port by Glenn Everhart FF335

**DTerm** Small, flexible, terminal program with intelligent data mapping, intelligent keyboard mapping, dynamic menus, intelligent command language, asynchronous IO, duplex control, and a state machine structure allowing you to build any automatic control structure you wish (from auto-redial, sequence dialing, to auto-logout). Version 1.10, binary only. Author: Matt Dillon FF73

**DU A Workbench 2.0-aware DU** program. Unlike other Amiga DU programs, it will skip over links to files and links to directories. Not only does this give a more accurate representation of how much space the contents of a particular directory are taking up, it also prevents infinite loops when a directory has a link to one of its ancestors. Version 1.02, includes source. Author: Dave Schreiber FF496

**Du A very small (only 932 bytes)** program to display the total disk space used by a directory and all its sub-directories. This is version 2.5. Enhancements include wildcards, totals, clearer output plus the program can be made resident. Requires Kickstart 2.0, includes source in assembler. Author: Stuart Mitchell FF701, FF416

**Du** Prints number of disc blocks used in selected files or directories. Modified to make output more readable, and handle 'C' exit. Includes source. By: Joe Mueller, enhancements by Gary Duncan FF345

**Dual Demo**: How to use dual playfields to make your own arcade games. Written in C. Author: Thomas Eshelman. AC7

**dualplay.c** Dual playfield example. C program. AM4

**DualPlayfield**: An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual. Author: Jim Mackraz FF41

**DuM2** A version of the ever popular directory utility (dirutil) but this one is written in Modula 2 and includes source. Dirutil is a program to wander around a directory tree and perform various operations on files. Version 1.5. Author: Greg Browne FF75

**DumpDiff** A small utility that prints the hexdumps of 2 files, with all differences between these two files highlighted. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF253

**Dumpharpoon** Program that dumps the .DAT data files for the game HARPOON. Author: Mark Kyprianou FF525

**DungeonMap** A little tool that creates maps of dungeons and towns which can be used by a Dungeon Master (DM's) for use in a Dungeons & Dragons (D&D) game. These maps can be saved, edited, and printed. This is version 1.1, binary only. Author: Bill Elliott FF778, FF603

**Durer** Draws pictures in the style of Durer. ABASIC program. AM1

**Dux5** Latest version of directory utility which is a descendant of the original dirutil program by Chris Nicotra. Includes source. Author: Enhancements and fixes by lots of people FF67

**DV12LJ** A cli utility to convert TeX .DVI files into HP PCL files suitable for printing on the HP Laser Jet series printers. Author: Gustaf Neumann, amiga port by Daniel Barrett FF797

**dvl2ttyA** program to convert TeX's dvi output files to ASCII format for printing or previewing on text terminals. Version 4.0, includes source. Author: Svante Lindahl, Marcel Mol, et. al. Amiga port by Martin Hohl FF671

**DvorakKeymap** Example of a keymap structure for the Dvorak keyboard layout. Untested but included because assembly examples are few and far between. Author: Robert Burns @ Commodore-Amiga FF27

**DWIcons** A collection of icons for WorkBench 2.0, including

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS-FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

some that are for an interlaced WorkBench. Author: David W. Ferguson FF686

**DWFPresets** A collection of AmigaDOS 2.0 presets for pointers, palettes, screen modes, and WorkBench backdrop patterns. Author: David W. Ferguson FF686

**DWIP** 'Daisy Wheel IFF Printer'. A graphics printing utility that allows the printing of IFF pictures on a daisy wheel printer. Includes source. Author: Ken Van Camp FF160

**DX-Synth** Voice filter program for Yamaha DX series synthesizers. Voices are transferred to and from the Amiga over MIDI. Binary only. Author: Jack Deckard FF82

**DX-VoiceSorter** To be used with Jack Deckard's VoiceFilter program. (Disk 82). It allows for the sorting of a number of voicefiles stored uring that program into a new voicefile of voices created from various files. With source. By David Bouckley FF149

**DX100** Editor/Librarian for the Yamaha DX100 DX21 and DX27 synth- sizers. Provides voice editing and librarian features similar to the FB-01 Editor/Librarian. Version 1.25. Author: James M. Smith FF598

**DynaCADD** A four part demo distribution of DynaCADD from Ditek International. DynaCADD is a professional 2D and 3D CAD pack- age. This demo is fully functional except for disabled save and export functions. DynaCADD requires at minimum an Amiga with 1Mb of RAM and a hard drive or two floppy drives. A deinterlacer of some kind is highly recommended. FF603 contains all the files necessary to recreate the DynaCADD demo disk number 1. The files for demo disk number 2 can be found on library disk number 604 and the files for demo disks 3 and 4 can be found on library disk number 605. This is version 2.04 and now includes both 68000 and 68020/030 versions. Binary only. Author: Ditek International FF603, FF604&FF605, FF434&FF435

**Dynamic Memory!** Flexible string gadget requester using dynamic memory allocation. Author: Randy Finch. AC8 **dynamictriangle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. It is not certain which of the two early basics this program used. FF13

**DynaShow** A program and example image using a dynamic HiRes technique to display up to 4096 colors in high res with overscan. Dynamic HiRes uses a different 16 color palette on each scan line. Version 1.1, binary only. Author: NewTek FF285

**EAguy's.pic** The guys at Electronic Arts. AM6 **EasyBackup** A CLI-based hard-disk backup/restore utility. Features incremental backups by archive bit status, by datestamp, or command-line query. Incremental backups can be appended to an existing backup set. Includes source. Author: Oliver Ensling FF365

**EasyColor** A color palette tool that you can use in your own programs. Works with any screen depth and type. Includes a usable demo. This is version 1.1 includes source in assembly. Author: Preben Nielsen FF555

**EasyExpress** A compiler tool for the users of Charlie Gibbs' A68k assembler and The Software Distillery's BLink. EasyExpress does the same job better than your batch file and is much easier to change for current use. If you use many object files, EasyExpress can make your life much easier. You can do almost everything via mouse and just watch how easily the compilation of your program happens. Binary only. Author: Juha Lindfors FF547

**EasyMouse** Another threshold-mouse-accelerating, screen-to-back, window to-front, mouse-blanking, screen-blanking, auto- window activating, low-memory-warning, auto-window sizing, configuration-saveable clock! Version 1.0, includes source. Author: Oliver Ensling FF365

**EasyStart** A program to start other programs in a very easy way. It can start programs with a popup menu, a popup screen, with menu items in the WorkBench menu, with a window containing gadgets, and more. Version 1.12, binary only. Author: Andreas Krebs FF736

**Eaters** A screen hack that places a number of creatures called Eaters on the screen. These hungry Eaters live on white dots, con- suming them and leaving black droppings in their place. When not near a white dot, they move randomly. Version 1.0, includes source. Author: Guido Wegener FF660

**EchoA** small replacement for the AmigaDOS echo that will do some special functions, such as clear the screen, delete to bottom of screen, scroll the screen, place the cursor at a particular location, and set the text style and/or color. Includes source. Author: Garry Glendown FF217, FF36

**EchoEcho** is a replacement for the AmigaDOS or ARP echo command. This version provides easy color setting or positioning for all echo'ed strings. Completely compatible with the AmigaDOS and ARP echo commands, all your old batch files should work correctly. Version 1.08c, includes source. By: George Kerber (based on echo by Garry Glendown) FF311

**EchoTodor** Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**echoX** UNIX-style filename expansion, partial S, C program in C source code and executable. Documentation included. AM1

**Eco** An ECHO replacement which allows many escape sequences for colors, text styles, cursor positioning, system variables, and much more. Has PURE bit set and can be made resident. Version 3.40, includes source. Author: Dario de Giudicibus FF391

**ECPM** A CP/M emulator for the Amiga. Emulates an 8080 along with H19 terminal emulation. Includes source. Author: Jim Cathey; Amiga port by Charlie Gibbs; Significant improvements by Willi Kusche FF157

**Ed** An editor based on the editor described in the original Software Tools book. It is very similar to the UNIX 'ed' editor, but not identical. Includes source. Author: Brian Beattie FF84

**EdCommands** Text guide to the ED editor. AM1

**Edimap** A keypad editor. Allows you to read in an existing keypad file, modify it to suit your needs, and save it as a ready-to-use keypad. V1.0, includes source. By Gilles Gamesh FF182

**EditKeys** A keypad editor. Supports editing of string, dead and modifiable keys, as well as control of repeatable and capable status of each key. Runs equally well under AmigaDOS 1.3 or 2.0. Binary only. Author: David Kinder FF817, FF642

**EdLib** A library of additional functions for Manx. With source. By Edwin Hoogerbeets with C-functions from several different authors FF218

**EDRC** An extensive configuration file for Matt Dillon's DME text editor using 10 menus and many functions. Author: Stefan Zeiger FF636

**EFJ** A fast action machine-code game (Escape From Jovi) featuring hi-res scrolling, large playfield, disk based high score list, stereo sound, multiple levels, a cheat mode, realistic inertia and gravitational effects, an animated sprite, and more. Use a joystick in port 2 to control the ship. This is version III. Includes source in assembly code. Author: Oliver Wagner FF259, FF148

**EgaDa** gadget editor from the Programmers Network. Very nicely done and very useful. Author: John Draper, Ray Larson, Brent Southard, and Dave Milligan FF46

**EgoMouse** A little hack that makes the mouse pointer turn towards the direction you move your mouse. A popular program on the Macintosh. Version 1.0, binary only. Author: B.J Lehahn, Pointer designed by F. Küster FF778

**EGraph** Egraph reads pairs of x and y values from a list of files and draws a formatted graph. Supports four unique curve fonts; solid curves, dashed curves, dotted curves, and long dashed curves. The maximum number of data points is unlimited. Has globs of options. Binary only. Author: Laurence Turner FF58, A

**Egypt** A small game for one or two players. Find three chests of gold in a computer generated maze. Version 1.0, freeware, includes source. Author: Benjamin (Pink) Stegmann FF816

**EgyptianRun** Cute little 'road race + hazards' type game. Version 1.1, binary only, shareware, source available from author. Author: Chris Hames FF120

**EHB** Checks to see if you have extra-half-bright graphics. In C source code, executable program and documentation. AM21

**electric guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Electron** Electron World is a cellular automaton described in 'Spektrum der Wissenschaft' ('Scientific American') March 1990. Shareware US\$ 10. Binary only. Author: Stefan Zeiger FF636, FF584

**Elements** Very nice interactive display of the the Periodic Table of Elements. Includes general row and column information, plus a test mode where the program asks specific questions about the selected element or row/ column. Now is completely Amiga- DOS 2.0 conformant. Path and language information are config- urable from the icon, uses 2.0 proportional fonts, can be opened on a public screen, and includes German and Swedish name files. Shareware, binary only. Author: Paul Thomas Miller FF652, FF593, FF384, FF368, FF297, FF253, FF175

**Eless** A faster directory lister, that also sorts entries and displays directories in the current cursor color (ala the Manx 'ls' program). Includes source. Author: Leo Schwab FF75

**ElGaTo** This animation is Kevin's entry to the Badge Killer Demo Contest. It also has a background music arrangement, that requires Sonix to use. Author: Kevin Sullivan. FF125

**ElIb** Example of building a shared library using small model Manx C. Includes source. Author: Jim Mackraz FF87

**EliteBBS** An online message and file handling system. Features include a message base, private mail, file library, support for xmodem, ymodem, and zmodem, fully buffered serial I/O routines for top speed, time limits, and more. Version V.31, binary only. Author: Nick Smith FF444

**Eliza** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM18

**Elvis** A UNIX vi/ ex editor clone. Supports nearly all the vi/ ex commands, in both visual mode and colon mode. Like vi/ ex, elvis stores most of the text in a temporary file, allowing it to edit files that are too large to fit in memory, and the edit buffer can survive a power failure or crash. Also supports most vi 'exrc' definitions, supports user defined TERM and TERMCAP environment variables, works over an AUX: port, supports function keys and arrow keys, and more. This is version 1.5. Includes source. Author: Steve Kirkendall, Amiga port by Mike Rieser FF645

**Emacs** An early version of the Amiga text editor, C program in C source code and executable. Documentation provided. AM2

**EmacsKey** Makes Emacs function key definitions by Greg Douglas. In C source code, and documentation. AM19

**Empire** Empire is a multiplayer game of exploration, economics, war, etc, which can last a couple of months. Can be played either on the local keyboard or remotely through a modem. This is version 2.1w. Changes include a client-server system, a chat/CB mode, realtime private player to player messages, and other enhancements. Binary only. Author: Chris Gray, David Wright, Peter Langston FF357, FF329, FF118

**Emporos** You are living on the island of Emporos, where several countries exist. Your goal is to make one of these countries your own. There is only one way to do this, and you have to find it out. Binary only. Author: Roland Richter FF229

**EmptyHandler** Another example of a filehandler. This one creates empty files of any given length. Includes source in C. Author: Oliver Wagner FF684

**Enforcer** A tool to monitor illegal memory access for

68020/68851, 68030, and 68040 CPUs. This is a completely new Enforcer from the original idea by Bryce Nesbitt. It contains many new and wonderful features and options and no longer contains any exceptions for specific software. Enforcer can now also be used with CPU or SetCPU FASTROM or most any other MMU-Kickstart-Mapping tool. Major new output options such as local output, stdout, and parallel port. Highly optimized to be as fast as possible. This is version 37.28. Requires V37 of the OS or better and an MMU. Author: Michael Sinz FF800, FF773, FF754

**Enforcer** Detects/protects against illegal memory hits. Compatible with all OS versions & machines (requires a Memory Management Unit or 68030 processor). The low 1K of memory and all areas that are not RAM are protected from CPU reads or writes. ROM is marked as read-only. Version 2.8b. Binary only. Author: Bryce Nesbitt FF658, FF474, FF454

**Enigma** An interactive animation object that can be viewed as a puzzle or a game object. The Enigma Machine can be programmed by the user to generate text. Part of the challenge is to discover how to program it to generate meaningful output. Version 1.00, binary only. Author: Martin C. Kees FF516

**Enlmas** Nifty graphic simulation of the World War II German Enigma-Machine, a message encoding/decoding device that produced extremely difficult to crack cryptographic code. Binary only. Author: Gaylan Wallis FF367

**ENote** Edit a filenote easier than with the standard filenote pro- gram. Version 1.0, includes source. Author: D. W. Reisig FF663

**Enough** A new CLI execute file command that tests for various system resources such as available memory or existence of specific files, directories, or devices. Author: Bruce Barrett @ Commodore-Amiga Player Animation player for Aegis Animator. Received directly from Aegis Development. FF29

**Entertainer** Plays The Entertainer, a Scott Japlan song made famous by 'The Sting'. ABASIC program. AM1

**Env** A user friendly tool to edit your 'environments'. You can change add copy rename and delete them with an intuition GUI instead of using DOS SetEnv/GetEnv. Features include keyboard shortcuts font-sensitive windows and shell command line support. Version 2.08 binary only. Author: Stefan Otto FF600

**EnvPrint** EnvPrint is a handy tool for printing envelopes for letters. Just type in the addresses or load them from disk and EnvPrint will organize the printing job for you. Includes an ARexx port. Version 1.50 an update to version 1.20 from disk 584 (WizardWorks 2). Shareware US\$ 10. Binary only. Author: Stefan Zeiger FF636, FF584

**EOMS** Experts Only Mercenary Simulator. A neat (and tough) PD game that was originally developed for eventual commercial release but, for various reasons, the author decided to release as PD instead. So far my son has beat every other Amiga game I've got, both PD and commercial, but he gave up on this one. For serious game players. Binary only. Author: Daniel Cardenas FF78

**Ephemer** A program which calculates the positions of the sun, moon, and planets for any date and any place. Includes source in HiSoft BASIC. Author: Yvon Alemamy FF482

**Epson** An improved Epson driver that eliminates streaking. AM9

**Epson LQ-800** Printer driver for the Epson LQ-800. AM9 **epsonset** Executable program that sends Epson settings to PAR from menu. Documentation included. AM12

**EPU** A program like Stacker or XPK that allows applications to access compressed data from AmigaDOS devices without knowing that the data is compressed, and automatically compresses new data. The file size is not limited by memory and the settings of the handler can be changed at any time. Version 1.0, shareware, binary only. Author: Jaroslav Mechacek FF809

**EquiLog** A Master-Mind type game. Version 1.36 binary only. Author: Pierre-Louis Mangedard FF590

**EraseDisk** small, fast program used to erase a disk by setting all bits on the disk to zero. Binary only. Author: Otto Bernhart FF650, FF544

**Error** Adds compile errors to a C file, C source code. AM3 **EsperantoA** keypad modification to usa1 which, in conjunction with the supplied slate.font, will allow one to type in Esperanto and Welsh, in any program that will use keymaps & fonts by: Glyn Gowing FF211

**esuoMA** A little screen hack that causes the mouse pointer to move in the opposite direction of the mouse. Includes source. Author: Rob Eisenhuth FF229

**Etale** Another 'more' or 'less' type file reader, which differs from the others in that it supports superscripts and subscripts at very low memory cost, and supports a complete Greek alphabet. Includes source. Author: William Hammond FF254

**EternalRome** A historical strategy game, that in spite of its high complex- ity is fast and easy to play. Fully mouse controlled with a fine zoomable map of the Roman empire (overscan and interlaced options). The simulation delivers many historical insights because of its accuracy (may be used for educational purposes) and is a challenging and entertaining game for two or more players (also interesting for solitary studies). Version 1.1, an enhanced update. Tryware, binary only. Author: Sven Hantrumpf FF723, FF502

**Time** Etime will display the elapsed time between events. This is useful in scripts to display the elapsed time between the beginning and ending. Many options including color and time displayed as hh:mm:ss or total seconds. Version 1.05c, includes source. Author: George Kerber FF311

**Euphorion** A scrolling 'shoot'em up' action-game, which contains eight different levels, bonus-stages and a

# Freely Redistributable Software

highscore table. This is version 1.1, binary only. Author: Carsten Magerkurth FF804

**Eval** This package allows you to manipulate expressions. Currently its two main functions are evaluation and differentiation. It also does some basic simplifications (based on pattern matching) to make the result of a differentiation more presentable. Includes source. Author: David Gay FF192

**Evo** A human evolution toy/tutorial. Includes source. Author: Steve Bonner FF130

**Evolution** This program graphically simulates the evolution of a species of 'bugs', the insect kind. Bugs, represented by moving blobs, eat bacteria represented by single pixels. They mutate, compete for food, reproduce and pass their mutations to their offspring. Nice example of graphics and software simulation. Standalone image and source code. Author: Russel Yost FF239

**EVW** Early Virus Warning. This program was designed to let the user get a look at important 'vectors' of the Amiga system. Does buffered scans of all library, device and resource vectors. Version 2.22. Binary only. Author: Peter Stuer FF641

**EW** Patch for Intuition OpenWindow() and CloseWindow(), creating a Mac-style frame whenever a window is opened or closed. Very short, with source in assembler. By O. Wagner FF286

**Examiner** Will question you with files produced by SpellCheck. Smaller than SpellCheck, looks better under AmigaDOS 2.0, and has some extra features. Version 1.0, binary only. Author: Preben Randhol FF701

**Examples** Assembly and C code examples, including some old favorites (like speechtoy and yacht3) downcoded to assembly language. Includes a replacement for the official audio device, an example of creating a subtask, a rewrite in assembly of R. J. Mical's file requester, an example of installing a custom input handler ahead of intuition, and more. Author: Jim Fiore & Jeff Glatt FF203

**Exceptional Conduct:** A quick response to user requests, achieved through efficient program logic. Author: Mark Cashman. AC10

**Excpion** Exception is a set of error handling routines that provide a programmer with the ability to easily handle often difficult to implement routines. Routines such as no more memory, file not open, read/write error....etc. V0.6, includes source. By Gerald T Hewes FF179

**ExeC** ExecC is a small utility for executing CLI/Shell Commands from the Workbench. This is version 1.10. Freeware. Binary only. Author: Carsten Raufuß FF584

**exec.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**ExecDis** A disassembler comment generator program for the 1.2 Kickstart ROM exec library image. Generates a commented disassembly of the exec library. V1.0, binary only. By Markus Wandel FF188

**ExecLib** A working example of how to build and use user-defined disk-resident libraries. Of special interest to developers working with Lattice C. Author: Alex Livshits FF150

**ExecMaster** A tool that allows you to start scripts, programs and rexx scripts in different ways. You can optionally specify an out-put. This could be a file or even a window. It has the ability to iconify and a full gadttools user interface with key command support. It fully supports PublicScreens. OS 2.xx only. Version 1.7, freeware, binary only. Author: Hans-Peter Guenther FF750

**ExecRexx** A program that turns an ARexx script into an executable which can be run from WorkBench or the CLI. Binary only. Author: Jeff Glatt FF463

**Exp\_Demo** Demo version of Express Paint 1.1. This is the program that was used to create the huge scrolling demo picture in the AMUC\_Demo drawer on this same disk. Binary only. Author: Stephen Vermeulen FF117

**Exploding** An AmigaDOS 2.0 version of 'exploding windows' that explodes and implodes windows in a fancy manner, catches all window resize and move events, works with all OpenWindowTags, and installs as a commodity. Version 1.0, binary only. Author: Andreas Schildbach FF668

**Expose** Program which will automatically cause all screen drag bars and screen depth-arrangers to become exposed. Sends a message to windows which obscure the screen drag bars, asking them to move down a pixel, and also to become smaller if necessary. Includes source. Author: John Russell FF73

**extdisk** Text, external disk specification. AM5

**ExtFuncProc** External Function Process. Allows execution of any library function from simple tasks even if these functions require a process environment. For experienced programmers only because there isn't any documentation written yet but only an example. ExtFuncProc is used by GMC. It runs under KS 2.0. Binary only. Author: Goetz Mueller FF387

**ExtraCmds** A small set of AmigaDOS commands, chiefly inspired by UNIX, written to augment the collection distributed as part of the System Software Release 2.04 (V37) and will not run under older releases. This is the first public release consisting of the commands Common, Concat, Count, DirTree, Head, Lower, Split, Tee, TimeCom, and Unique. Source code and manual pages in both Danish and English are included. Author: Torsten Poulin FF774

**EZAsm** Combines 68000 assembly language with parts of C. Produces highly optimized code. Uses C-like function calls (supports all 2.04 functions), braces, 'else', 'if' support, and much more. Comes bundled with A68k and Blink, for a complete programming environment. This is version 1.7. Includes example source and executable files. Binary only. Author: Joe Siebenmann FF699, FF592, FF484, FF421, FF421

**ezspeak** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**ezterm** A basic sample program from Fred Fish's Grab Bag. It is not certain which of the two early basics this program used. FF13

**F2C** A program that translates Fortran 77 source into C or C++ source. F2C lets one portably mix C and Fortran, and makes a large body of well tested Fortran source code available to C environments. Amiga port done for SAS/C 5.10B, and includes libraries for use with SAS/C. Includes full source in C. Author: S. I. Feldman, David M. Gay, Mark W. Maimone, N. L. Schryer; Amiga port by Martin Hohl FF675

**FAClock** Front Analog Clock. This clock program always stays at the very front of the display. Binary only. Author: Jonathan Potter FF412

**FAFF** Specification for the FAFF spreadsheet file format used by the Gold Disk products 'Professional Calc', 'The Advantage', 'Office Calc' and 'Office Graph'. Describes version 2.0 of FAFF. This information should allow 3rd party developers to create and use files that are compatible with ProCalc. Author: Michal Todorovic / Gold Disk FF553

**FakeKey** A utility for use in scripts with programs like Diskcopy that require the user to press a key before the program runs. It sends a user-specified key press to the active window, after an optional delay. Requires AmigaDOS 2.04 or higher. This is version 1.0. Includes source in assembly. Author: Douglas Nelson FF832

**FAM** A File Access Manager for the Amiga that allows multiple ARexx programs to access a buffered version of a directory in a consistent and serialized manner. It buffers all the names, dates, sizes and so on, for quick access. Version 1.1 with source. By: Darren Newman FF325

**Family\_Sol** A preliminary version of the Authors Family Solitaire card game. A standard game of Solitaire with options for multiple players, sound etc. Binary only. Author: Errol Wallingford FF473

**FarPrint** Debugging functions for programs which don't have any links to their environment. FarPrint consists of two major parts: a harbour process open to receive and distribute messages and requests, and a set of C functions to be linked into any program wishing to communicate with the FarPrint main process. This is version 1.5 and adds a shared library as well as linker libraries for both Lattice and Aztec C. Includes source. Author: Olaf Barthel FF325, FF281

**Fass** A program which lets you reassign the FONTS: directory at the touch of a few keys without having to use the CLI. Version 1.02 includes source. Author: Jan van den Baard FF570

**Fast Fractals:** A fast fractal program written in C with Assembly language subroutines. Author: Hugo M. H. Lypkens AC6

**Fast Pics:** Re-writing the pixel drawing routine in Assembly language for speed. Author: Scott Steinman AC6

**FastBlit** A small tool to speed up blitter operations by up to 60%. Version 1.0, binary only. Author: Ralf Thanner FF354

**FastDisk** A disk optimizer providing two ways of optimizing. Originally written by Thorsten Stolzmann. This is version II, now featuring an Intuition interface, ARP support, bug hunting, and Lattice C compatibility, done by Oliver Wagner. Includes source in C. Author: Thorsten Stolzmann and Oliver Wagner FF286

**fasterfp** Explains use of fast-floating point math C program. AM1

**FastGIF** A very fast GIF viewer with a graphical user interface, file requester, support for AGA chips set, support for viewing in a WorkBench window, IFF saving (registered version only), and GIF89a compatibility. Includes English and French versions. Version II (1.01). Shareware, binary only. Author: Christophe Passuello FF850, FF690

**FastGro** A fractal program, simulating Diffusion-Limited Aggregation (DLA) as described in the December 1988 Scientific American in the Computer Recreations column. This program is about an order of magnitude faster than the 'SLO GRO' program described in Scientific American. V 1.0, includes source. By Doug Houck FF188

**FastLife** A fast life program featuring an Intuition interface, 33 generations/second on Amiga 3000/25, 19 generations/second on Amiga 2000/500/1000, and 200+ patterns in text file format. Runs with Kickstart 2.04 and later, and uses the ReqTools requester package (included). Changes include support for all screen modes, screens as large as memory allows, run for a specified number of generations, stop at a specific generation, CLI and ToolTypes support for file name filter and 'ON' character within Picture files. Version 2.2, binary only. Author: Ron Charlton FF802, FF608, FF469

**FastText** Blitter based fast text rendering routines written in assembly. Unique in the fact that they speed up rendering of non-proportional fonts of any height, and from 4-16 pixels in width. With source and test program. By Darren M. Greenwald FF170

**FB-01** Edit all parameters for FB-01 Voices and Configurations. Has graphical display of voice envelopes to improve the editing process. The librarian provides the means to organize and store a bank of voices or configurations on disk. Send customized banks to a Yamaha FB-01 or receive banks from this instrument. Print hardcopy of voice and configuration banks. Version 1.25. Author: James M. Smith FF598

**fBlanker** A utility for blanking the screen after a defined period of no action. Shows a multicolor Amiga checkmark. This is version 1.1, binary only, requires AmigaDOS 2.0. Author: Markus Stoll FF491

**FBM** An Amiga port of the Fuzzy PixMap image manipulation library. This package allows manipulation and conversion of a variety of color and B&W image formats. Supported formats include Sun rasterfiles, GIF, IFF, PCX, PBM bitmaps, 'face' files, and FBM files. Also has input converters for raw images, like Digi-View files, and output converters for PostScript and Diablo graphics. Besides

doing format conversion, some of the other image manipulation operations supported include rectangular extraction, density and contrast changes, rotation, quantization, halftone grayscale, edge sharpening, and histograms. Disk 676 contains m68000 binaries and docs, disk 677 contains m68020/m68881 binaries, and disk 678 contains the sources. Version 1.0. Author: Michael Mauldin; Amiga port by Martin Hohl FF676&677&678, FF334

**FCS** Prerelease version of an iterated Fractal Construction Set program, used to generate iterated fractal images such as Sierpinski's triangle, ferns, etc. This is version 0.99, binary only. Author: Garth Thornton FF465

**Fd** A modified version of Leo's 'eless' that processes an entire track at a time, to minimize rereading of blocks. Includes source. Author: Leo Schwab, enhancements by Stephen Vermeulen FF75

**Fd2AsmInc** This little program creates assembler include files from '.fd' files (i.e. the original Commodore .fd-files). There are several ways to format the output file. Version 1.0a, OS 2.xx only, freeware, includes source in assembly. Author: Hanns Holger Rutz FF802

**FED** A binary file editor with lots of options. This is version 1.1 binary only. Author: Thomas Jansen FF555

**Fedup** A random access, byte oriented file-editor that gives you the option of viewing and editing any file (binary or ASCII) using either ASCII or hexadecimal notation. Version 2.1, binary only. Author: Martin Lindemann FF230

**Fenster** A program which can operate on requesters screens and win-dows owned by another program to close them change their size refresh gadgets move the window to the background etc. Includes source in assembly. Author: Roger Fischlin FF630, FF362, FF305, FF298, FF245

**FF** FF is a file find utility for use under Workbench 2.04 or later. It features a full, font-sensitive GUI, appWindow support, dynamic find-list update, the capability to recognize both hard and soft links, and the ability to optionally descend into hard links to directories. This is version 1.01, includes source. Author: Dave Schreiber FF729

**ff** A very fast text formatter, controlled exclusively by command line arguments. Author: Gary Perlman & hordes of students FF3

**FFEX** Another program for fractals. Lots of features. Uses an interesting algorithm for extra speed. Source includes modules for reading/writing ILBM pictures, and for using the ARP filerequester in modula. Version 4.0. Author: Robert Brandner FF549

**FFP & IEEE:** An Example of using FFP & IEEE math routines in Modula-2. Author: Steve Faiswizewski AC1

**FFT** Highly optimized Fast Fourier Transform tools for digital signal processing. The FFT can be used to compute the frequency spectrum of a complex signal. It is useful in a variety of different applications. Floating point and integer versions. Mixture of high level and assembly language code. Includes source (requires JFortin). Author: Jerry Kallaus FF239

**FifoDev** FIFO: is like PIPE: but is based on fifo.library rather than its own implementation. Fifo.library is a general fifo library implementation that supports named files, writing to a fifo from a hardware exception, multiple readers on a fifo with each getting the same data stream, efficient reading, and automatic or manual flow control. Programs that require non-blocking IO can access one side of a FIFO: connection via the fifo.library instead of the FIFO: device. Version 2. Includes some source. Author: Matt Dillon FF448, FF432

**FifoLib** FIFO: is like PIPE: but is based on fifo.library rather than its own implementation. Fifo.library is a general fifo library implementation that supports named files writing to a fifo from a hardware exception multiple readers on a fifo with each getting the same data stream, efficient reading and automatic or manual flow control. Programs that require non-blocking IO can access one side of a FIFO: connection via the fifo.library instead of the FIFO: device. Version 3.4. Includes some source. Author: Matt Dillon FF588, FF519

**File** A program that recognizes various types of files and prints what that type is. Recognizes font files, icon files, executable files, standard object files, compressed files, command scripts, C source, directories, iff files, LaTeX source, modula II source, arc files, shell commands and scripts, TeX source, dvi files, uuencoded files, yacc files, zoo archives, etc. Version 1.0, includes source. Author: Edwin Hoogerbeets FF231

**File** Examines given file(s) and takes an educated guess as to their type. File types looked for include: fonts, icons, executables, objects, compressed, command scripts, C source, directories, ifs, LaTeX source, modula II source, shell commands and scripts, TeX source, dvi, uuencoded, yacc, zoo, thar(c). Changes include looking for a few more types, improving its IQ slightly, and amending source to compile ANSI-C under SAS/C 6.0. Includes C-source. Author: Edwin Hoogerbeets & Gary Duncan FF767

**FileBootBlock** This simple little program reads blocks 0 and 1 of a bootable disk and saves them as a program file that can be run (heaven forbid) or disassembled by programs like DIS or DSM. Includes source in assembly code. by: John Valdhuis FF191

**FileCache** This package is for compiler and assembler writers. It implements a cache for include files with a file cache server. Can greatly speed up compilation and assembling. Binary only. Author: Christophe Passuello FF846

**FileEncrypt** Another intuition based file encryptor to enable you to scramble your highly secret, hard earned source code and prevent your co-workers from taking credit for it! Includes (unscrambled) source. Author: Lorenz Wiest FF79

**FileISG-Demo** A demo version of Softwood File IISg, a database manager with sound and graphics. Also includes

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

a database of previously released disks in this library, courtesy of Stan Spence. Binary only. Author: Woody Williams and Donald Brady FF86

**FileIO** A file requester library based upon an example by R.J. Mical. Has numerous features, including uses other than disk I/O. Binary only. Author: Jeff Glatt, Jim Fiore, R.J. Mical FF463, FF393, FF348, FF307, FF257

**FileIt** A simple database program, written in DRACO. It is meant to be portable, thus it does not use any of Intuition's facilities. Version 1.0, includes source. Author: John Davis FF230

**FileLocator** Searches up to 28 mounted devices for specific files using wildcard matches. Version 1.0 binary only. Author: Joe Rattz Jr. FF581

**FileMaster** A file editor like NewZap or FedUp, which allows you to manipulate bytes of a file. You may also change the file size or execute a patch. Author: Roger Fischlin FF361, FF298

**FileMinder** Utility for maintaining files and directories on a hard disk. Allows you to graphically see your directory structure to move quickly to any directory and to perform operations on the files and other directories there. This is version 1.0 shareware binary only. Author: Joel Swank FF606

**FileNames** AmigaDOS filename wildcard conventions in a text file. AM1

**Filer** An excellent shareware filemanager featuring buffered directories soft- and hardlink support configurable by ASCII file and much more. This is a demo version with some minor features disabled. Needs KickStart 2.0. Shareware binary only. Author: Matthias Scheler FF562

**FileReq** This is Jonathan's second version of a file requester, and is much more powerful than the one included on disk 204. Shareware, with source. By Jonathan Potter FF242, FF204, FF85

**FileRequest** Assembly code example of a file requester. New features include 3 speed scrolling of filenames and ghosting of unavailable devices. Includes source. Author: Fabrice Lienhardt FF292, FF173

**FileRequester** A very nice file requester module for lattice C programs, along with a demo driver program. Author: Charlie Heath FF35

**FILES V1.2** Matt Dillon's disk catalog program. FF168 & 169

**FileSearch** This program will search an AmigaDOS volume for a specified file, using a filename pattern. Useful for hard drive owners wanting to find a file/program quickly. AmigaDOS wildcards aren't supported, '\*' wildcards are. Has an Intuition interface. Version 1.5, binary only, WB2.0 only. Author: Matt Crowd FF531

**FileSelect** A FileIO selector, written 100% in assembly. Version 1.0, includes source Author: Fabrice Lienhardt FF173

**FileSelect** A new file requester which is small, fast and has some new features. It has a flexible filter option, optional DOS- gadgets (delete, rename and makedir), displays the size of a program, is fast, can display all connected devices, etc. Version 2.0, includes source in assembly language. Author: André Wichmann FF653

**FileStat** Facilitates the editing of all information about a file, such as protection bits, name, comment, etc., using a graphical interface. Version 2.0, binary only. Author: Robert Lang FF717

**FileStorage** Small demo of a file librarian, a database for files. The database exists as a number of index files and disks where FileStorage puts your collection of files. FileStorage 'remembers' how many free bytes each storage disk has and tries to fit the disks to the maximum. For each file you can add a 320 character long description and set 16 different (user definable) filetypes. Searching / adding / deleting / changing it's all there! Version 1.2, binary only. Author: Joep Grooten FF785

**FileSystems** Displays AmigaDOS disk devices with information about the head geometry, BufMemType, and the lower level exec device. With source. By Ethan Dicks FF329

**FileTest** This routine is used to recursively descend the file system tree from a specified directory location, reading the files into memory (if they will fit) as it goes. Useful as a complete test of file system integrity. Includes source. By Stephen Vermeulen FF284

**FileTypes** This program can recognize different kinds of files in a directory. Currently recognized types are executable and IFF (all types, ILBM, 8SVX etc.). Includes listing the whole contents of a directory or only files of one or more types. This is version 2.1, and includes assembly source. Author: Sebastian Leske FF415

**FileWindow** A completely public domain file requester which may be used in any program, even commercial ones. It uses dynamically allocated memory to hold the file names so the only limitation is the amount of memory available. Includes a filter option to limit display of filenames to only ones with a specific extension. Names are automatically sorted while they are being read and displayed. This version has been enhanced by Bernd Schied for more device gadgets, renaming of files and directories, ANSI-C source, and more. Includes source. Author: Anders Bjerin, Bernd Schied FF464, FF336

**filezap** Can be used to patch any type of file. Nice, and VERY useful. Author: John Hodgson FF14, FF10, AM16

**FiilDisk** Disksalv has been known to find some rather interesting things in the free blocks of some production disks from companies that should know better. This little hack makes sure you don't get caught in the same trap, by scribbling the disk's free blocks in a totally safe manner. Includes source (all 20 lines of it). Author: Fred Fish FF61

**fiilbuster** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**FIM** The Fast-Intro-Maker. Use this little IntroMaker to create your own Intros in a few minutes. Includes functions

to insert selfmade IFF-Pictures, Color-Screentexts, Music and more. Final created Intros will run on OS1.2/1.3/2.x (WB/Cli). F.I.M. requires Amiga OS2.x. This is version 2.2. Shareware, binary only. Author: Michael Bialas FF814, FF760

**Find** Find is a utility which searches for files that satisfy a given boolean expression of attributes, starting from a root pathname and searching recursively down through the hierarchy of the file system. Very much like the Unix find program. V1.2, includes source. Author: Rodney Lewis FF197, FF134

**Find** Yet another file find utility, different from other programs of this kind in that it requires Kickstart and Workbench 2.04 (or higher) to run, sports a font-sensitive user interface, includes Workbench Applcon/AppWindow support, filetype ident- ification and other goodies. Version 1.7, includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF690

**FINDIT V1.00** Search for a filename (wildcard) FF168 & 169

**FindIt** A fully Intuitionised file finder. Features include search multiple drives/directories, search for file names starting with/not starting with given text, file names containing/not containing given text, file names ending with/not ending with given text, files created on/after/ before/not-on given date, files containing given text, etc. Found files can be copied, deleted, viewed, or printed. Requires Workbench 2.0. This is version 1.0, binary only. Author: Gary Smith FF731

**FindName** A program to be used in scripts. It allows you to verify the presence of certain structures in RAM. You can currently search for devices, libraries, memory, messageports, resources and tasks. The search is done by name. Version 1.0, includes source in assembly. Author: Preben Nielsen FF547

**FineArt** This is a collection of works from some of the best of current Amiga artists. Many thanks to Jim Sachs, Sheryl Knowles, Jack Haeger, and Aegis Development for submissions. FF30

**FirstSilCon** A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is 'Sil(Con)'. By Pete Goodeve FF50

**Fish** 'A demo program which runs an AnimOb in a double buffered screen with sequence cycled animation'. (Basically shows a fish 'swimming' across the top of the screen). Author: Catherine Wagner (posted by Barry Whitebook) FF15

**FishCat** A program designed to allow searching the entire library. Was written specifically for KS 2.0. Features very fast searches and the built-in ability to easily add new disks to the data- base. Supports many 2.0 features such as AppWindow and public screens. Iconfiles. This is version 1.2. Adds a simple AREXX port, printing, compact update files, and fixes all known bugs. Author: Matt Brown FF705, FF607

**Fitness** A little WorkBench hack with the aim of keeping you fit. A little fellow will pop up on the screen periodically, to remind you to interrupt your work and do some exercises. Version 1.10, binary only. Author: Sioe-Lin Kwik FF662

**FivelnLine** A board-playing game similar to Go-Moku, Ristinolla, etc. Fast-paced and quickly addictive! Includes source. Author: Njel Fiskejtn FF163

**Fix68010** A program which patches executables that fail to run on machines equipped with an M68010, so that they no longer use the prohibited privileged instructions. Binary only. Author: Gregor Brandt FF241

**FixCLI** A tiny pure command which fixes problems with CLI's not created by other CLI processes. A new CLI or Shell created by such programs as PopCLI or DMouse gets no path and no current directory. FixCLI very quickly and efficiently gives a path to a CLI that does not have one (it looks for other processes that have valid paths) and sets the current directory as specified if none is already set. Put it in your S:Shell-Startup script. Includes source. Author: Paul Kienitz, FF429

**FixDate** Fixes future dates on all files on a disk, C program in C source code and executable. AM1

**FixDisk** A program to recover as much as possible from a defective disk. It can sometimes recover damaged (unreadable) tracks, check file integrity, check the directory structure, undelete files, copy or show files, fix corrupted directory pointers, etc. Full intuition interface. This is version 1.2. Binary only. Author: Werner Guenther FF403, FF223

**FixFd** A utility for Amiga assembly programmers. FixFd will read a '.FD' file and output a file that can be 'INCLUDE'd rather than having to link with the colossal 'Amiga.Lib'. V1.0, includes source in assembly. By Peter Wyspianski FF183

**FixHunk** A program to modify executable files to allow them to run in external memory. It forces all DATA and BSS hunks in the file to be loaded into CHIP memory. CODE hunks will still load into FAST ram if available. New features include an interactive mode to select where each DATA or BSS hunk will load into memory, support for overlays, support for AC BASIC compiled programs, and support for new hunk types as used by 'blink'. V2.1, binary only. By D.J. James FF197, FF36, AM17, AM16

**FixIcon** Fixes some icons that show bad markings when run on greater than 4 color Workbenches. Doesn't fix them all, but fixes a common problem. Includes source in C. Author: Robert Lang FF719

**FixIcons** A program to scan through all files in a given volume or directory, looking for project icons and changing their default tools according to instructions given in a script file. Version 1.2, includes source. Author: Lars Clausen FF303

**FixObj** Strip extraneous garbage off the end of object files transferred with modem. Does not require pre-knowledge of actual file length, uses knowledge of Amiga file

structure. Version1.1 . Author: John Hodgson FF38, FF10, AM17, AM2

**FixWB** A program similar to 'DropCloth' (also on this disk), but not fully working yet. At least this one is provided in source, so you get your choice of a working one in binary or a nonworking one in source. Sigh. Author: Leo Schwab FF59

**FKey** Includes template for making paper to sit in the tray at the top of the Amiga keyboard. AM15

**FKeys** Adds window and screen switching functions to the function keys in conjunction with the left Amiga key. For example use the left-Amiga + F10 to get help and a remove requester. Version 1.1 includes source. Author: Torsten Jurgeleit FF562

**FlamKey** Installs a little key on the WorkBench screen title bar, and then waits in background until somebody clicks on the key. When activated, allows the keyboard and mouse inputs to be locked out until a password is entered.

Shareware, binary only. Author: Alex Livshits FF105

**FlashBack** Demo version of a new backup utility. Fully functional version except for the restore operation. Features include backup of multiple partitions in one pass, backup of non- AmigaDOS partitions, backup to a file, automated unattended backups, pattern matching, and streaming tape support. Version 2.05, binary only. Author: Leon Frenkel, Advanced Storage Systems FF447

**FlashCopy** A multitasking friendly disk copier that can make nible copies as well as standard DOS copies in about 75 seconds. Version 0.9 binary only. Author: Thomas Jansen FF555

**Flat** A filing system handler which implements block-mapped filing devices such as available under Un\*x. Read and write calls are mapped to low-level system IO operations which allow to treat devices such as dft0, dh0:, rad:, etc. as big data files. These 'virtual' files can be copied, read and written just like any standard AmigaDOS file. It is even possible to copy a whole disk with the CLI 'Copy' command or to archive disks with LHArc and the likes. Written as a supplement for the Amiga 'tar' program. Version 1.3, includes source in 'C'. Author: Olaf 'Olsen' Barthel FF535

**FlexuA** little game with more than five extra large stages. The object is to pickup up your cargo and climb safely to the next stage, without being shot or running into anything, (including your cargo). Scrolling, shooting, some gravitation, similar to Thrust (C64). Binary only. Author: Karsten Götz FF760

**Flex** A replacement for the UNIX 'lex' (lexical analyzer generator) program that is faster than lex, and freely redistributable. Lexical analyzer generators are generally used in combination with parser generators (such as yacc or bison), to generate frontends for language compilers and other tools. Includes source. Author: Jef Poskanzer, Vern Paxson, et. al. FF704, FF407, FF156

**FlightSim** A simple flight simulator AmigaBASIC program. AM9

**Flip** Allows you to quickly and easily switch between various screens. Can close screens, pull them up, and activate windows. Has the unique feature of sorting screens in a way that all title bars are visible at one time. This is version 2.0, binary only. Author: Lars Eggert FF390

**Flip** Another program in the long tradition of screen hacks. Run it and see what happens. Binary only. Author: Andreas Schildbach FF369

**Flip** Seems like Leo's gems have inspired lots of people. This one is quite cute also. Written in assembler, includes source. Author: Mike Berro FF66

**Flip** Very simple program which replaces the left-Amiga-N and M commands with screen and window flipping commands. It's an excellent example of how to use PC-relative addressing within input handlers. Version 2.0, includes a technical discussion and source in C and assembly. Author: Mike Monaco and Timm Martin. FF437

**FlipIt** Possibly the strongest Reversi/Othello type game available. Shareware, binary only. Author: Adrian Millett FF512

**Flipper** A small, fast, Othello program. Does not use any lock-ahead methods. Binary only. Author: Michael Sinz FF248

**FLODEMO** Floorplan Construction Set demo. Fully functional except the Save IFF function is disabled and 15 pages of clip rooms have been replaced by a single sample page. This is version 1.48, binary only. Author: Jim Hennessey, Gramma Software FF452

**flood.c** Flood fill example. C program. AM4

**Flow2Troff** A little utility to convert from New Horizons Software 'FLOW' files to UNIX 'troff' files, suitable for printing on any troff-compatible laser printer. Version 1.0, includes source and a sample 'FLOW' file. Author: Daniel Barrett FF162

**Flute** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Flysepef** A very tiny font which is more of a gimmick than a useful font. Perhaps the tiniest font available for the Amiga. Author: Sascha Wildner FF591

**Fm** File mapper program. Uses track disk device to grab sectors and traverse the file system to find out what sectors a particular file occupies. Author: Leo Schwab FF36, AM15

**FMC** An alternative to the NoFastMem program. Uses a cute little switch gadget to turn fast memory on or off. Version 1.2, includes source in assembly code. Author: Roger Fischlin FF244

**FME** Patch to AllocMem() to allow badly designed programs which request fast mem without necessity to be run on 512k machines. Plus source in assembler. By: Holger Lubitz FF346

**Fme** Nicely done map editor for the Fire-Power (tm) game. Features interlaced hi-res with intuition interface. See the 'Readme.inf' file for information on making a bootable disk. Includes source. Author: Gregory MacKay FF148

# Freely Redistributable Software

**FMouse** A mouse pointer accelerator, similar to Matt Dillon's DMouse. Includes a screen blanker and 'hot keys'. This is version 1.01. Includes source in assembly. Author: Roger Fischlin FF437

**FmsDisk** A file based trackdisk simulator, useful for creating a floppy-like partition on your hard disk (so you can diskcopy to a floppy) without actually having to create a special partition for it. Also useful for testing new filesystems and such. Supports up to 32 units, with either the old filesystem or the new fast filesystem. Includes source. Author: Matt Dillon FF294

**FncInKeys** Text file explains how to read function keys from AmigaBASIC. AM9

**FO** CLI based Fast Optimizer for AmigaDOS disks. It can optimize one disk in less than 2 min, 30 sec. Allows optimization for CLI or WorkBench usage, and allows you to use unformatted disks as the destination. At least 1 Mb memory required. This is version 1.3. Binary only. Author: Fabien Campagne FF744, FF537

**FO2** Intuition-based version of FO, will run on a single drive machine. Includes multiple destinations, automatic turn on upon disk insertion and more. Requires 1.5M or more of memory. This is version v2.5, includes source. Author: Fabien Campagne FF744

**FOCo** Format controller. A graphical user interface for disk for- matting. Pops up on disk insertion or via hotkey. Requires OS 2.0. Includes source. Author: Michael Balzer FF743, FF566

**FollowMouse** A pair of small blinking eyes following the mouse movements on the screen. Runs from both the WorkBench and CLI. Includes source in PASCAL. Author: Kamran Karimi FF757

**FontConv** Converts Macintosh Postscript type 1 and type 3 fonts to the IBM Postscript type 1 and type 3 format. Also converts Macintosh bitmap screen fonts to the Adobe binary format (abf). Version 1.2, binary only. Author: Gary Knight FF528

**FontConvert** A printer font conversion program to convert standard Amiga fonts into a form suitable for downloading to a printer that supports user defined printer fonts. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF393

**FontConverter** Converts standard font files into C code structures that can be included directly in your program. Probably most useful for people writing programs that take over the machine and thus do not have access to the standard fonts directory. Includes source. Author: Andreas Baum FF644

**FontEditor** Does what the name implies, edits fonts. Author: Tim Robinson Author's suggested shareware donation: \$5 FF30

**FontList** Prints a list of the fonts in the FONTS: device to the printer. Prints name, available sizes and some text using the specified font. Includes source in Modula II. Author: Robert Brandner FF549

**FonTS** Several miscellaneous new fonts for your enjoyment. Author: (Several) FF81

**FontViewer** A program to view fonts. Features include selectable screen resolutions, outline font support (WB 2.0), ColorFont support, up to thirty fonts shown at once with each in its own window, up to three lines of changeable text for viewing fonts, use file requester to find fonts to view (WB 2.0). Version 1.2, binary only. Author: Gary Smith FF732

**FontViewQ** A commodity to display a table of characters of any Amiga font, which is chosen by a font requester. The characters are clickable to show you the ASCII value and the key combination to press. With AmigaOS 2.1 a localization takes place (cur- rently German and French). Version 1.2, includes source. Author: Dieter Temme FF750

**Foogol** Just what you've been waiting for, a foogol cross compiler for your Amiga that generates VAX assembly code. Now you can port all those Amiga foogol programs to your VAX! Seriously, foogol-IV is a tiny Algol like language and this is a compiler for it. Includes source. Author: Per Lindberg FF66

**Foreach** A simple but useful program that expands a wild card file specification and then invokes the specified command once per expanded filename, with the expanded filename as the command argument. Includes source. Author: Jonas Flygare FF138

**Form** File formatting program through the printer driver to select print styles. AM15

**Format** A 2.04-only replacement for the AmigaDOS Format command. It uses a much more complete Workbench user interface (allowing for greater control over formatting from the Workbench) and is smaller than the original Format command. Version 1.00, includes source. Author: Dave Schreiber FF727

**Format** A replacement for the Workbench 2.x 'Format' command with many additional features and a basic gadtools interface. Can be made resident and sports a number of additional command line options. Also included is a code fragment which will correctly initialize data media of any size (floppy disks or hard disk partitions) which works both under Kickstart 1.2/1.3 and 2.x. Version 1.1, includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**Formatter** A faster and more user friendly floppy disk formatter that is also an example of how to format Amiga file systems in general and get AmigaDOS to accept them. Formatting without verify takes about 50 seconds, with verify takes about 100 seconds. Version 2.7, includes source. Author: Olaf Barthel FF398, FF377

**Formulae** An implementation of basic propositional formulae manipulation routines in Scheme (Scheme is available on disk 149). Uses only essential procedures so it should run under any Scheme. Includes source in Scheme. Author: Gauthier Groult and Bertrand Lecun FF316

**Fortune** Randomly display a 'fortune' selected from a fortunes file (supplied), by text or voice. The 'fortunes' file

is easily modified or added to by the user, using any text editor. New version will work from the Workbench or CLI. Version 2.04g, source included. Author: George Kerber FF369, FF311

**Fpic** Fpic is an image processing program, designed specifically to be used in conjunction with digitized (Digi- View) lo-res black & white IFF picture files. Provides several filters, including average, binary (threshold), clipblit, cross, Sobel, Roberts, pixelize, sharpen, and a user defined matrix. Also supports merging of two images, histogram, image compare, and remapping. Binary only. Author: Bob Bush FF71, AM20

**FracBlankA** commodities screen blanker written for Kickstart and Work- bench 2.04 (or higher). When running will blank the screen and start to draw real plane fractals such as described in the September 1986 issue of Scientific American. The resulting images may remind you of spiders' webs, lace or even the Chladnian patterns formed by grains of sand strewn across a vibrating surface. This is version 2.2, includes numerous bug fixes and enhance- ments (such a new fractal type and a font- sensitive user int- erface). Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF687, FF588, FF535

**FracGenA** fractal generator program that generates fractal pictures from 'seeds' that you create. This is unlike any of the other 'fractal generators' I've seen. It can be used to load and display previously created fractal pictures, modify existing fractals, or create your own fractals. V 1.23, binary only. By Doug Houck FF188, FF142

**Fractal** A fractal program which produces a random square fractal terrain. Author: John Olsen FF52

**fractal** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**FractalLab** Investigate the realm of fractals and allow your imagination to run wild. Virtually an unlimited number of these self- similar curves can be created with FractalLab. Includes several interesting samples. Version 1.0, binary only. Author: Terry Gintz FF391

**Fractals A** Fractal generator that generates many different types of fractals based on the iteration of complex-valued formulas. The program can generate the Mandelbrot and Julia sets, as well as the sets of more unusual formulas such as lambda^2/COS(Z) and Newton-R. Version 2.1, includes source and some sample creations. Author: Ronnie Johansson. FF371

**Fractals** draws great fractal seascapes and mountainscapes. AM15

**Fractals Part I:** An introduction to the basics of fractals with examples in AmigaBASIC, True BASIC, and C. Author: Paul Castonguay AC2

**Fractals Part II :** Part II on fractals and graphics on the Amiga in AmigaBASIC and True BASIC. Author: Paul Castonguay AC4

**Fractals: Part III:** AmigaBASIC code that shows you how to save/load pictures to disk. Author: Paul Castonguay AC6

**Frag** Two CLI utilities that show disk and file fragmentation on AmigaDOS floppies. Includes source. By: David Gay FF278

**FragIt** A dynamic memory thrasher for the Amiga. FragIt randomly allocates and deallocates pseudo-random size values of memory, ranging from 16 bytes to 50000 bytes by default. The result is an allocation nightmare, thousands of memory fragments are being created and destroyed continuously. This puts stress on the memory allocation routines of an application undergoing testing by simulating a very busy, highly fragmented memory environment. This is version 2.0, featuring many bug fixes, a full intuition interface, configuration settings via the icon, and more. Includes source. Author: Justin V. McCormick FF243

**FraGS** Reports the number of free blocks of size 2<sup>(n-1)</sup> to 2<sup>(n)</sup>-1 for n up to 24 (blocks of max size 16Mb-1). Translation: Gives you some idea of how fragmented your free memory is. Includes source. Author: Mike Meyer FF69

**Free** A little command to put in your C directory that returns memory status and number of tasks currently served by EXEC. Includes source. Author: Joerg Anslk FF159, FF66

**Free** Display how much free space (bytes or blocks) you have on any or all of your mounted disk volumes. Runs from CLI only. This is version 1.06. Free now searches your device list if desired (under AmigaOS 2.0+ only), and several minor bugs have been fixed. Includes source. Author: Daniel J. Barrett FF713, FF388

**FreeCopy** FreeCopy is unlike most copiers in that it does not actually copy disks. It removes the protection so disks can easily be backed up with almost any program, and in some cases be in- stalled on your hard drive. This is version 1.8. Public domain, binary only. Author: Greg Pringle FF685, FF498

**freedraw** A small 'paint' type program. Free drawing, boxes, filled boxes, etc. Author: Rick Ross FF1, AM1

**freemap** Creates a visual diagram of free memory. Comes with custom icon so can be run from workbench screen. Author: Robert J. Mical FF5, AM4

**FreePaint** A freely redistributable painting program much like the popular DPaint program. Binary only. Author: Stefan G. Boldorf and Björn-Eric Trost FF627, FF548

**Freeq** A general purpose file requester, which was designed to be easy to use and fast, with a built-in ARexx port allowing you to use it from ARexx scripts or applications with ARexx ports. Version 1.0, binary only. Author: Jeffrey D. Wahaus FF308

**FreeRequest** FreeRequest is a handy program which lets you select a file by using the ASL file requester and executes a CLI command with the given selection. FreeRequest can be easily used in batch files and has a lot of options. You can use it as an frontend for any program which does not directly support filerequester selections. It exchanges 'I' in the specified command line with the selection. It has a debug ability for testing of options before execution. It now

supports multiple file selections and the save filerequester option. Requires AmigaDOS 2.04 or higher. Freeware, binary only. Author: Hans-Peter Guenther FF827, FF743

**Friends** Cute little screen hack with command-line options to keep your mouse pointer company when you step away. Includes source. Author: Michael Warner FF161

**fscape** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**FSimA** process simulation system for the Amiga. It calculates complex systems consisting of algebraic and differential equations and shows the results in a graphic representation. A user with only a small knowledge of C programming is able to use FSim to create complex models and connect them to a comfortable user interface. Version 1.0, binary only. Author: Jens Hartkopf FF836

**FTOEX**Part of DASM used to convert a DASM executable into an intel-hex formatted ascii file. FF168 & 169

**fullfunc.txt** List of #defines, macros, functions. C program. AM4

**FullReset** A program to get rid of all viruses, vector modifying programs, and residents, by forcing a specific reset. Binary only. Author: Jurgen Klein FF283

**FullViewA** text viewer that uses gadgets at the bottom of the screen (thus can display text 80 columns wide) opens up to the full size of the Workbench screen displays ANSI color sequences and can load files compressed by PowerPacker. Also shows IFF pictures (which can also be compressed). This is version 3.04, binary only. Author: Jonathan Potter FF583, FF412, FF287, FF242

**FullWindow** Resizes any CLI window using only CLI commands. Executable program and documentation. AM18

**Fully Utilizing the 68881 Math Coprocessor Part III:** Timings and Turbo\_Pixel Function. Author: Read Predmore. AC11

**FunBut** Lets a function key act like a rapid series of left mouse button events. AM26

**FuncKey** A shareware function key editor, submitted by the author for inclusion in the library. This is version 1.1. Binary only (source available from author). Author: Anson Mah FF106, FF89

**FuncLib** A program that allows you to add or remove rexx function libraries. Author: Jeff Glatt, Dissidents Software FF393

**Function Evaluator:** A program that accepts mathematical functions and evaluates them. Written in C. By Randy Finch AC5

**Funds** AmigaBASIC program to track the prices of mutual funds or stocks. Includes source. Author: Bill Strack FF74

**Furnish** For those of you who may have ever used the 'scale size cut and place' method of determining your next living-room arrangement, this Amiga-zed version may be just what you need. Binary only, shareware. Author: Terry Gintz FF175

**gad** 'Fun with Gadgets'. Demonstration program for use of gadgets. Author: John Draper (aka 'crunch') FF1

**GadgetEDA** program for creating and editing intuition gadgets. Includes a palette editor, generation of either C or assembly source, and binary saving for later loading and editing. Also comes with PatchGE, a program for converting the original format of GadgetED binaries to be loadable by this and future versions. Author: Jan van den Baard FF475, FF438

**Gadgets** Bryan Catley's AmigaBASIC tutorial. Source code and documentation. AM19

**Gadgets** Tutorial on gadgets from J. Draper. AM2

**GadgetTest** A programming example of how to create and handle all of the types of the new AmigaDOS 2.04 gadgets. Requires AmigaDOS 2.04 or higher. This is version 0.01, includes source. Author: Hans-Peter Guenther FF824

**GadToolsBoxA** program that lets you draw/edit GadTools gadgets and menus and then generates the corresponding C or assembly code for you. This is version 2.0. Includes source. Author: Jan van den Baard FF842, FF731, FF659, FF570

**Galaga** A space 'blast-er' game with over 300 different animation frames in 16 colors, many levels, end of stage nasties, bonus levels, kamikaze raids, etc. Version 1.4, binary only. Author: Geert Coelmont and Romain Voes FF738

**GALer** GALs (Generic Array Logic) are programmable logic devices. 'GALer' is the software and the hardware which is necessary to program your own GALs. The supported GAL-types are GAL16V8 and GAL20V8. The circuit diagram for the GAL device programmer is available from the author. Version 1.3 shareware includes source German version only. Author: Christian Habermann FF633

**Gambit\_Comp** A compiler for the full Scheme Programming Language which conforms to the IEEE/ISO and Revised Report standards. Contains complete sources for the compiler and an interpreter. (Interpreter binaries can be found on disk number 764). The compiler is shareware and requires about 3Mb and a hard disk for effective development. The interpreter is Freeware and requires about 1.5Mb to run. Author: Marc Feeley, Amiga work and documents by Ken Dickey FF765

**Gambit\_Terp** An interpreter for the full Scheme Programming Language which conforms to the IEEE/ISO and Revised Report standards. In addition, some code samples and tutorials are included. A companion disk, the Gambit Compiler can be found on disk number 765, it allows you to link in C code and build standalone native executables. It also contains complete sources for the interpreter and compiler. The interpreter is Freeware, and requires 1.5Mb to run. The compiler is shareware and requires about 3Mb and a hard disk for effective development. Author: Marc Feeley, Amiga work and documents by Ken Dickey FF764

**GamePortA** toolkit with link time and shared libraries that

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

allow easy access to the GamePort device. Includes examples and test programs. Version 1.1, binary only. Author: Paris Bingham FF446

**gameport** Text, game port spec. AM5

**Garden** makes fractal gardenscapes. AM22

**Garfield** Garfield in LoRes FF72

**Garylcons**A collection of more interesting and useful icons.

Author: Gary Roseman FF190

**Gauge** Continuously displays memory usage in a vertical bar graph, similar to the workbench 'fuel gauge' type display for disk space. Binary only. Author: Peter da Silva FF111

**gbox**One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**GDiskDrive** Text instructions to make your own 5 1/4 drive. AM8

**GearCalc** A bicycle gear ratio calculator. Binary only.

Author: Ed Bacon FF641, FF514

**Gears** A program to calculate and display the gears of a multispeed bicycle. Works for bicycles with 3 to 21 gear combinations. Version 1.1, includes source. By Joel Swank FF304

**Gels in MultiForth Parts I & II:** Learn how to use Gels in MultiForth. Author: John Bushakra AC1

**Gels in Multi-Forth-Part 3:** The third and final part on using Gels in Forth. Author: John Bushakra AC5

**gettools.c** Tools for VSprites and BOBs. C program. AM4

**Gemini Star-10** Printer driver for the Gemini Star-10. AM9

**Gen** Program indexes and retrieves C structures and variables declared in the Amiga include file system. AM16

**Genesis** A uniquely flexible and powerful program for generating and rendering fractal landscapes. Original algorithms allow incorporating fractal rivers as integral parts of the landscapes, with natural looking river valleys, gulleys, waterfalls, and lakes. A number of parameters can be varied to modify the landscape construction process and change the character of the final landscape, there is also great flexibility in the rendering. This is a demo version of the commercial product by the same name available from MicroIllusions and has some features disabled. Binary only. Author: James M. Bardeen FS501

**GeoTime** A software 'Geochron' that allows you to see the earth's shadow scroll across the world map or globe in real time, showing the earth's day/night state. This is version 1.2b. Runs under AmigaDOS 2.1 whereas earlier versions had some problems. Shareware, binary only. Author: Mike Smithwick (Distant Suns, AmigaTrek) FF758, FF180

**GetDisks** Sample program to find all available disk device names and return them as a simple exc list. The list is made of named nodes, with the name being the device name. By Phillip Lindsay FF56

**GetFile** A very nice filename requester with source code. By Charlie Heath FF41

**GetImage** An enhanced version of 'gi' from disk 14. It now looks for the GRAB marker, in the brush file, instead of assuming that it is at a specific place, sets up the PlanePick value in the Image structure, and deletes any unused bitplanes to save memory and disk space. Includes source. Author: Mike Farren, enhancements by Chuck Brand FF345

**GetSC** Gets the colormap of a single specified or all available screens. The colour values are given in hexadecimal format. GetSC is also the perfect tool to compile a collection of colormaps for use by the SetSC program. Version 2.00, shareware, binary only. Author: Chris Vandierendonck FF787

**Getsprite** A simple little program to convert Dpaint brushes into C-source. Binary only. Author: Michael Warner FF161

**GetString** A small utility that puts up a string requester and stores the result in an environment variable (either local or global) that can be used in Shell scripts. Requires OS 2.04+ and ReqTools.library. Written in E, source included. Author: Diego Caravana FF809

**Getting to the Point:** Custom Intuition pointers in AmigaBASIC. Author: Robert D'Asto AC10

**GetVolume** Sample program to get the volume name of the volume that a given file resides on. Works on any device, even the RAM: device. Author: Chuck McManis FF56

**gfxmem** An updated version of the graphical memory display program first released on FF1. Watch your machine's memory usage change dynamically under use! Author: Louis Mamakos FF14, FF1, AM4, AM1

**gl** Converts DPaint brush files to C source files 'necessary to create an Image structure, including height, width, depth, and color information, as well as the array of data which represents the bit planes of the image'. Author: Mike Farren FF14

**GIFFdatatype** This program is a datatype that understands the GIF file format. Once installed, it allows any datatype-aware programs (such as MultiView) to read GIF files as if they were IFF. You can also use them as screen backdrops. Datatypes only exist at WB3.0 and greater. Version 39.2, binary only. Author: Steve Goddard FF813

**GifInfoA** small program that gives information about GIF files, such as size, number of colors, etc. Includes documentation in English and French. Version 1.12, binary only. Author: Christophe Passuello FF841

**GIFMachine**A program that will convert CompuServe GIF image files into IFF.SHAM and 24bit ILBMs. It offers a number of extra options like dithering, horizontal and vertical flip, as well as automatic border removal. Requires KickStart version 2.0 or greater to run. Includes source. Author: Christopher Wichura FF541, FF458, FF405

**Glat's Gadgets:** Using gadgets in Assembly language. Author: Geoff Glat AC6

**Glib** A text screen oriented librarian and editor for synths. Supports the TX81Z, DX100, DEPS, DW8000, and K-5. Includes source. By Tim Thompson, Steve Falco, and Alan Bland FF228

**GlobeDemo**A graphics demo which displays very smooth transitions of the rotating earth. Features a pop-up menu.

Includes source. Author: Bob Corwin FF151

**Globulus** Demo version of a new arcade game that is reminiscent of the old Q-bert game. You control a cute little character and hop him around pathways in a diagonal kind of world, while trying to avoid bad things and catch good things. Binary only. Author: Innerspire FF449

**GMCA** console handler with command line editing and function key support. GMC provides extended command line editing, function key assignment in four levels, extended command line history, online help for functions in the handler, and an iconify function. Also includes an output buffer (dump to printer and window), filename completer, script function, undo function, prompt beeper, pathname in window title, close gadget for KS 2.0, etc. This is version 9.13, with some new features and some bug fixes. Shareware, binary only. Author: Goetz Mueller FF683, FF587, FF434, FF398, FF387, FF291

**GnuAwk**GNU awk is the GNU Project's implementation of the AWK programming language. It conforms to the definition and description of the language in The AWK Programming Language, by Aho, Kernighan, and Weinberger, with the additional features defined in the System V Release 4 version of UNIX awk. Version 2.10 beta, includes source. Author: Paul Rubin, Jay Fentason, Arnold Robbins, et al. FF406

**GnuGrep** The grep program from the GNU project.

Replaces grep (frep, egrep, and bmgrep. Now handles AmigaDOS style wildcard specifications. Includes source. Author: Many (see README file) FF406, FF295, FF204

**GNUPlot** An interactive function and data plotting program which supports a great number of output devices. Includes extensive on-line help. This is version 3.2. Includes source. Author: Thomas Williams, Colin Kelley, et al. FF701, FF552, FF528

**Go64** Another screen hack aimed at an earlier Commodore product (Not to be confused with the commercial product Go-64! from Software Insight Systems). With source. By Joerg Ansilik FF156

**GodsDemo** Playable demo of a very popular European game. Author: Blimp Brothers FF496

**GOLD** Game of Life - Duo. A 'Game of life' extension. This one uses TWO strains of cells allows free redefinition of the rules and contains the original game as a subset. This is version 1.0 includes source in C and assembly. Author: Andreas Neubacher FF597

**Gomf** Gomf stands for 'Get Outa My Face', a phrase many a programmer has mumbled when a Guru alert appears unexpectedly. This interesting little program can generally make the Guru go away and allow you to clean up and shutdown more cleanly. Version 1.0, binary only. Author: Christian Johnsen FF95

**gomoku** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM3

**gothic** Gothic banner printer. Prints DOWN the page, rather than across, so arbitrarily long banners can be created. Send EOF (CTRL-L) to end input. From a Decus C distribution several years ago. FF3

**GoWB** Very small (296 bytes) and effective replacement for the well known 'LoadWB' and 'EndCLI' command pair. This release fixes a severe bug in the first version which used to guru if run out of a script. With source in C. By Oliver Wagner FF346

**GPrint** A black & white graphics print utility for Epson compatible printers. Command-line options allow several different print qualities and densities. Includes a couple of sample IFF files for printing. V2.03, binary only, shareware. By Peter Cherna FF180

**GrabIFF** Lets you grab any screen, window, portions of a screen or a mousepointer-image as an IFF-ILBM-file, which can be used by nearly any paint program on the Amiga. Gives you lots of useful options. Implemented as a commodity. Version 1.00, includes documentation in german and english language. Author: Hartmut Stein / Bernstein, Zirkel Softworks FF704

**GrabKick** A tool to copy the contents of any Kickstart ROM into a file. Note that there are many legitimate reasons for wishing to make a file copy of a ROM image. I don't condone using this program for any illegal uses however. You should be aware of the laws in your region with regard to fair use of software, including software contained in ROMs. Version 1.1, includes source. Author: Ralf Gruner FF831

**Graffiti** Demo version of an art program with a feature set somewhat less than DPaint but more than many other such programs. Has a few special functions included like autoscrolling converting screens to other resolutions changing RGB values of the whole screen fast autoscrolling magnifier and many others. Shareware demo binary only. Author: Marcus Schiesser FF620, FF610, FF531

**Grammars** A group of lexical grammar files for Ada, C and Pascal for use in conjunction with the flex program on this disk and the bison program on FF 155 By various authors, submitted by William Loftus FF156

**Graph** A program that draws mathematical functions on a plane. Text and axes may be added, and the result saved to disk or printed. Uses a full Intuition interface with multiple windows (one per graph), requesters, etc. V1.0, with source. By David Gay FF280

**Graph** Function graphing programs. AmigaBASIC Program. AM3

**graphics.bmap** one of the necessary links between

AmigaBASIC and the system libraries. AM8

**GraphicsPak** A set of functions for general graphics operations such as boxes/lines, blitting, and opening/closing the libraries. It is used by both of the PopMenu and ListWindow test programs. Includes source. Author: Paul Thomas Miller FF368

**Graphit** A program to plot most simple functions in 2 or 3 dimensions, as well as 2d parametric equations in term of

t. Includes source. Author: Flynn Fishman FF97

**Gravity** A program which simulates the movements of astronomical objects under the influence of gravity. For example, you can simulate the solar system or two stars circling around each other. Version 1.0, binary only. Author: Guido Burkard FF422

**gravity** Sci Amer Jan 86 gravitation graphic simulation. In C source code and executable. Documentation included. AM13

**Gravity-Well** A celestial motion simulator that simulates the motion of up to twenty bodies in a Newtonian universe. The view of the simulation may be scaled, rotated in three dimensions or repositioned. Includes source. Author: Gary Teachout FF250

**GravityWars** The object of this game is for one player to hit the other player's ship with a missile, before being hit yourself. The ships and planets don't move, but aiming the missile in the presence of gravity fields and black holes makes hitting your target difficult. Version 2.0, shareware, binary only. Author: Ed Bartz FF105, FF84, FF70

**GravSim** A program to animate up to 6 planetary masses, all of which exert a mutual gravitational force on each other. The planetary masses can be placed anywhere on the screen, and their mass and initial velocity can be determined by the user. The program then steps the animation through time, plotting and displaying the new position in the trajectory of each mass. V1.50, includes source. Author: Richard Frost FF223

**GreekFont** A 12 point font with Greek letters. Version 1.0. Author: Daniel Moosbrugger FF474

**grep** Decus grep (Get Regular Expression and Print). Useful for finding strings in files. Author: Unknown FF4, AM1

**Grids** Draw sound waveforms, and hear them played. AM15

**Guardian** Another virus diagnosing and vaccination program. Recognizes any non-standard bootblock. Includes a small utility program to permanently place the program on a copy of your kickstart disk in place of the seldom (if ever!) used Debug() function. Binary only. Author: Leonardo Fey FF154, AM25

**GuruGuru** fantasy in LoRes FF72

**GuruHandy** 'guru' number interpreter (well, handy after reboot anyway!). Tells you what '81000009' means, for example. CLI usage only. Standalone image with readme file. Source code included. Author: Mike Haas FF239, AM25

**GuruMD** Text file explains the Guru numbers. This is an older file. AM8

**GurusGuide** The source files for all examples published in the 'Guru's Guide, Meditation #1: Interrupts' by Carl Sassenrath, the architect of the Amiga's low-level multitasking operating system and designer of Exec. Author: Carl Sassenrath FF203

**Gwin** This is version 2.0 of GWIN restructured as an AMIGA shared library. GWIN or Graphics WinDow is an integrated collection of graphics routines callable from C. These routines make it easy to create sophisticated graphics programs in the C environment. One-line calls give you a custom screen (ten types available) menu items requestors text circles polygons etc. GWIN is a two-dimensional floating point graphics system with conversion between world and screen coordinates. GWIN includes built-in clipping that may be turned off for speed. Use of color and XOR operations are greatly simplified. Many examples of the use of GWIN are included in an examples directory. Examples include line/bar graph program SPICE 2G.6 graphics post-processor and others.

Extensive documentation is included. Author: Howard C. Anderson. FF571, FF433, FF322

**GwPrint** An intuition-based text file print utility. Offers a wide selection of adjustable features for controlling pagination, headers, trailers, margins, date and page-numbering and various print styles/sizes. Version 2.0, binary only, shareware. Author: Gaylan Wallis FF357

**GZip** GNU zip is a compression utility designed to be a replacement for 'compress'. Its main advantages over compress are much better compression and freedom from patented algorithms. GZip currently defaults to using the LZ77 algorithm used in zip 1.9 but can also decompress files created by zip, compress, or pack. Version 1.0.5, includes source. Author: Jean-loup Gailly FF838

**H2I** Translates C include files into assembler include files. Useful for programmers that use both C and assembler code in the same program. Helps to keep the structure definitions consistent. Version 1.1, shareware, binary only. Author: Goetz Mueller FF387

**H2J** Converts 'C' style 'h' include files to JForth style 'j' files. Useful when developing interfaces to new Amiga libraries like ARP, etc. Standalone image and source code. By Phil Burk FF239

**Hack** This disk contains a port of the popular UNIX game 'Hack', done by John Toebes and the crew at the Software Distillery. This is version 1.0.3D. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form 'copy d0: to d1: all'. This insures that disk fragmentation is kept to a minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named 'Hack\_Game'. I have elected to keep that name, rather than using the usual 'AmigaLibDiskXX' convention for disks in my library, to avoid requiring users to rename the disk before using it.-Fred. Released April 11, 1987 FF62, FF25, FF8&FF7

**HackBench** HackBench provides the source for a WorkBench-like program, for experimentation and validation of new interface ideas. It is not intended to be an actual WorkBench replacement. Author: Bill Kinnersley FF96

**Hackdisk** A complete replacement for trackdisk.device featuring a verify option and better performance. Hackdisk is supplied as an OS module that may be RamKick'ed or

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placed directly in the Kickstart ROM. This is version 2.00. Now includes support for 150RPM HD floppy drives and untested support for 5.25 inch drives. Free for non-commercial use, assembly source included. Author: Dan Babcock FF803, FF783, FF697

**HackerSInT** text file explains how to win the game 'hacker'. AM9

**HackLite** An evolved version of the public domain game Hack, written by Jay Fenlason, Andries Brouwer, Don Kneller and various others. Hack Lite is a dungeon adventure game in the style of Rogue, Hack, Moria, etc. It uses a customizable graphical dungeon display. The package includes a simple-to-use installation program, and a 'Preferences'-style configuration editor. Many new objects, traps, monsters and ways to die have been added. Saved games are now much smaller, and a 'Tournament mode' allows several players to compete for the highest score playing in identical dungeons. Utilities included with Hack Lite were written by Jim Cooper and Doug Walker. Author: Alan Beale FF799, FF187

**HagenDemos** Joel Hagen's Badge Killer Demo contest entries, 'RGB' and 'Focus'. RGB was the overall winner of the contest. It requires one meg Amiga. Binary only. By: Joel Hagen FF112

**haiKu** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Hakter** A kind of Adventure Construction Kit based on an easy-to-learn interpreter language. With it, you can create moderately complex multiple choice adventures. Some example adventures are included. Version 1.6, includes source. Author: Guido Wegener FF655

**hai9000m** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**halfBrite** Sample program that demonstrates 'Extra-Half-Brite' mode on latter AMIGA's with new VLSI chip. Allows 64 colors in low-res mode, rather than 32. Posted to usenet by Robert Pariseau. FF1, AM1

**halley** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Ham Bone:** A neat program that illustrates programming in HAM mode. Author: Robert D'Asto. AC9

**HAMCu** Installs a custom copper list for the current active view (usually workbench) that contains all the colours from 0x000 to 0xffff. A neat effect and an easy way to show off the color capabilities of the Amiga. With source by Jonathan Potter FF204

**Hames** Some miscellaneous programs from Chris Hames. DirWork V1.01 is a fast, small, simple efficient DirUtility. FSDirs V1.3 is a floppy accelerator program. VMK V27 is a small virus detector/killer that knows about 27 different viruses and can detect new ones. NoInfo V1.0 stops programs from producing '.info' files. Binaries only. Author: Chris Hames FF328

**HamLabDemo** Demo version of an expandable image format conversion utility that converts GIF, IFF, JPEG, Targa, BMP, TIFF, PBPLUS, MTV, Spectrum 512, QRT, and Sun images into IFF (normal, HAM, half-brite, and 'sliced' variations of each). Images can be scaled, dithered, color corrected, and cropped. This demo version is limited to processing images of 512 by 512 pixels or less. Shareware, binary only. Author: Ed Hanway FF726, FF712, FF466

**HAMmmm** This is Phil's entry for the Badge Killer Demo Contest. HAMmmm displays lines whose end points are bouncing around the screen, which is a double buffered HAM screen. The Y positions of the points are continuously copied into an audio wave form that is played on all four channels, and the pitch of a just intoned chord is derived from the average X position of these points. Includes source in JForth. Author: Phil Burk FF118

**HAMmmm2** Graphics hack that displays moving lines in a HAM screen for a hypnotic effect. Uses sound tools from HMSL, if available, for a drone sound that corresponds to the graphics image. Standalone image and source code. By: Phil Burk FF239

**HamPics** These are some of the most stunning digitized pictures yet for the Amiga. They were scanned at a resolution of 4096 by 2800 pixels, 36-bits per pixel, on an Eikonix 1435 slide scanner, cropped, gamma corrected, scaled, and converted to Amiga IFF HAM files. They are displayed with a special ILBM loader that handles overscan HAM images. Includes source for the display program. Author: Jonathan Hue FF196

**HAMPoly** A polygon drawing demo which uses HAM mode to produce polygons of any of the possible 4096 colors. Author: John Olsen FF52

**hand.** A program is also included for restoring the correct checksum of the Kickstart disk. AM25

**Handler** An example that implements an AmigaDOS Handler (device) in non-BCPL format. Author: Phillip Lindsay FF38

**Handling Gadget** and Mouse IntuiEvents: More gadgets in Assembly language. Author: Jeff Glatt. AC9

**Handshake** A full featured VT52/VT100/VT102/VT220 terminal emulator. The author has taken great pains to support the full VT102 spec. Supports ANSI colors, screen capture, XPR external protocols, user selectable fonts, ARexx, and more. This is version 2.20c. Binary only, shareware. Author: Eric Haberfellner FF449, FF172, FF60

**HandyIcons** Adds a menustrip to the WorkBench window that allows you to run selected WorkBench Tools by menu selection. Can be set up to provide custom environments. Current version supports only WorkBench Tools and not Projects. Binary, by: Alan Rubright FF148

**Hangman** A simple hangman program similar to one seen on some UNIX machines. Currently runs only from CLI. Includes source in C. Author: Gary Brant FF299

**Hanoi** Classical demo program for recursion. Solves the

towers of hanoi problem in a workbench window of its own. Author: Ali Ozer FF54

**HappySong** A song created using the freely distributable program MED V2.10. Player program included. Author: Alex Van Starrex FF401

**HardBlocks** A shared library with support routines for Commodore's hard-block standard, and a small tool which demonstrates use of the library. Includes source. Author: Torslen Jürgelait FF708, FF653

**HardCopy** A neat little program that creates a hardcopy transcript of any CLI session (like the UNIX 'script' program). Includes source. Author: David Cervone FF75

**harp arpeggio** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Hash** Small example program that computes the AmigaDOS directory hash function. By Neil Katin at Commodore-Amiga FF20

**hauntedM** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Hawk** A stereo image of a hawk. Requires red/green stereo glasses to view. No documentation, author unknown. FF206

**HBHill** This animation is one of Kevin's entries to the Badge Killer Demo Contest. It is the first known animation that makes use of the Amiga's 'Extra Half Brite' mode. Author: Kevin Sullivan FF128

**HCC** Amiga port of Sozobon, Limited's C Compiler, version 2.0. Can completely compile itself, supports 32 bit ints, and optimizer can 'registerize' variables. Includes compiler, optimizer, tool for creating interface code for Amiga system calls, startup code, C library, include files, and library routines that work with Motorola FFP format. Uses assembler A68k, linker BLINK, and provided run-time shared C library CClib library. Includes source. Author: Sozobon, Limited. Amiga port, bug fixes and enhancements by Detlef Wuernker FF508

**Hd** Hex dump utility using some ideas from Mike Higgin's article in Computer Language magazine, Apr 86. Formats the dump based on the natural byte ordering of the machine on which it runs. Author: David Elins at NEC Information Systems FF20

**HDClick** A program selector / Harddisk-menu. Programs can be started easily by clicking on gadgets which can be defined by the user. This is version 2.0. This version includes sub-menus functions to edit the gadgets preferences to change colors a 'Small'-window Hotkey-iconly and more. Includes PAL and NTSC versions. Comes with Config-Tool 1.62 by Manfred Gillert a tool to edit HDClick-configfiles easily and with other useful functions. Binary only shareware. Author: Claude Mueller FF605, FF439

**HDDriver** A complete driver for a WD-1002-05 hard disk controller card. This card can handle 3 hard disks and 4 floppies, but the driver currently only handles one hard disk. Includes source. Author: Alan Kent FF98

**HDFixer** Some of the newer A3000's have high density floppy drives. In the 37, 175 version of Kickstart, HD disks are not completely supported in HD mode. This program patches the system so that Kickstart V37.175 owners are able to use 1.71 MB HD disks. This very user friendly, totally new programmed version, comes as a Commodity and supports the new OS2.x functions like Public Screens, scaleable fonts, shortcut gadget activation and so on. Requires Workbench 2.04. This is version 2.00. Binary only. Author: Peter-Iver Edert FF606, FF690, FF645

**HDMem** Demo version of software that allows you to use virtual memory with OS2.0, version 37.x or higher, on m68020/m68851 or m68030 amigas. Supports task exclusion. The demo version is limited to 2Mb of virtual memory. Version 2.0, shareware, binary only. Author: Stefan Rompf FF740

**HeadClean** This program, combined with a fibre cleaning disk, can be used to clean the heads on your disk drives. Source code examples of accessing the Trackdisk device, and using gadgets are included. Standalone image with source code. Shareware. Version 2.0. Author: Phil Burk FF239

**HeadGames** A 'Shoot-Em-Up' game done with SEUCK game constructor, featuring digitized heads as enemies. Binary only. Author: Neil Sorenson FF425

**Heart3D** A program to find left ventricle outlines in the output of an Imatron CT scanner, and display wireframe animations of the beating heart. Includes several sample CT scan outputs. Binary only. Author: Jonathan Harman FF236

**Hed** A handy little editor that is more user-friendly than 'Ed', yet doesn't require the memorization of complicated keystrokes of some of the larger, more powerful, editors. Binary only. Author: Hal Carter FF164

**HeliosMouse** Another 'sunmouse' type program. Automatically activates a window simply by moving the mouse pointer into the window. V1.1. Includes source. Author: Davide Cervone FF111, FF94

**hello** Demonstrates creation of a simple window, 'hello world'. Posted to usenet by Eric Lavitsky. FF1, AM3, AM4

**Helper** A little InputEvent hack, activated via the HELP key. Originally meant to provide a unique method of giving the user help (you don't have to put that help stuff into your own program). Now also contains a color requester and a small notepad. Version 1.01, with source. By Michael Balzer FF332

**Henon** A program for drawing Henon pictures. Includes 3 example parameter collections. Freeware. Binary only. Author: Stefan Zeiger FF636

**Hex** A file-based binary file editor with lots of features. Version 1.0, shareware, binary only. Author: Nicola Salmoria FF517

**HexCalc** Nice little hex/oct/dec/bin calculator and converter. Binary only. Author: Scott Ross FF67

**HexDump** Modula-2 program to display memory locations in

hexadecimal. AM26

**Hextract** A complete header file reference. Definitions, structures, structure members and offsets, flag values, library contents, function definitions, registers, library offsets, prototypes, and pragmas. The data from a set of V2.x Amiga and Lattice header files is included and packed for immediate reference by Hextract. Freeware, includes partial source. Author: Chas A. Wyndham FF817, FF744, FF726, FF674

**hidden** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**Hide** A small utility to allow you to run old or ill-written applications on systems with expansion RAM. When hide is running, all memory allocations take place in chip memory. Somehow, something like this missed making it onto my earlier disks. Binary only. Author: Francois Rouaix FF85

**High Octane Colors:** Use dithering in AmigaBASIC to get the appearance of many more colors. Author: Robert D'Asto AC5

**hilbert** An AmigaBASIC that draws Hilbert curves. AM11

**HiraganaDemo** Demo version of a Hiragana (Japanese calligraphy) learning module. This module allows the user to see the strokes actually drawn in the proper order to write each Hiragana symbol, as well as hear a digitized pronunciation of the syllable, and a word actually using that symbol. Demo version 1.2, binary only. Author: Wayne Quigley Sr FF662

**HiSpeed** A high speed printing utility for DeskJet printers. Output is reduced to about 1/4 of its original size. The maximum processing speed is 4 pages/min. Supports ANSI ESC codes (e.g. Italics), single or double sided printing, multiple copies, and free layout. Two fonts are available. DeskJet RAM cartridge required. Version 2.7, shareware, binary only. Author: Dietmar Elfert FF697

**Hollywood** An easy to play trivia game with such subjects as M\*A\*S\*H, Star Trek (old and TNG), Indiana Jones, general television trivia, and more. Each topic contains fifty questions and a related picture. Each time you answer a question right, a small portion of the picture is added to the screen. Shareware, binary only. Author: FF423

**horse whinny** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Horse&Buggy** Hanson cab in an IFF picture. AM7

**Horses.plc** Horses in an IFF picture. AM6

**Household** Bryan Catley's AmigaBASIC household inventory program. In C source code and documentation. AM19

**HOWA** game where the aim is to get a ball from the start square to the exit square while trying to turn all squares to the same color. As the ball moves across a square the color of the square changes in a cyclic order of four colors. Also includes a level editor program. Freeware binary only. Author: Peter Handel FF595

**Hp** A nice RPN calculator program that supports calculations with binary, octal, decimal, hex, float, and complex numbers. Other features include 32 registers for storing data and transcendental functions. Version 1.0, includes source By: Steve Bonner FF130

**Hp-10c** Program that mimics an HP-10c (Hewlett Packard calculator), in TDIModula2. By: Duncan Prindle FF38, AM18

**HP3ps** An intuitionized utility for changing modes on a Pacific Page Postscript Emulation cartridge. Allows you to select HP-PCL or POSTSCRIPT mode by simply clicking on a gadget. Version 92.02.09, binary only. Author: Scott Dthomas Trenn FF797

**HP11** Emulates an HP11C calculator including the program mode. Features an ON/OFF button that turns the calculator into an icon that will sit and wait until you need it again. This is version 1.1 and includes a few bug fixes and minor changes. Binary only. By: David Gay FF274, FF153

**HPMan** A program to manipulate settings and fonts on HP LaserJet+ printers and compatibles. Includes an Intuition interface and some sample picture files. Version 1.0, binary only, shareware. Author: Steve Robb FF153

**HPMODE** A script file that sets fonts attributes and some printer commands for the Hewlett Packard DeskJet 500 printer. It accesses some features of the DeskJet that are difficult to set from preferences or the printer. Version 1.0 binary only. Author: Doris Ballard FF555

**HR136** An IFF file containing a chart showing every possible mixture of the sixteen basic palette colors. Also included are optimized and monochrome palettes along with several tips and techniques for using them with various paint programs. By Dick Bourne FF182

**HSV** A small color palette utility that contains both RGB and HSV sliders for adjusting your screens colors. If the screen has 4 bitplanes or less, you can also save the palette to 'ENVARC: palette.prefs'. Requires AmigaOS2.x, version 0.99, includes source. Author: Frank Ederveen FF791

**HuePalette** An AmigaBASIC program which explains Hue, Saturation, & Intensity. AM9

**Humarta** An arcade game where each player controls a jet and must destroy the opponents jet, which is accomplished when a jet has been hit 75 by either missiles or air mines. Binary only. Author: Jason Bauer FF462

**HunkFunk** A program to disassemble any given AmigaDOS hunk file, which includes executables, linker libraries, linker object files, overlayed files, etc. Written as an exercise by the author to learn a few things about AmigaDOS hunk structures. Includes source. Author: Olaf Barthel FF398

**HunkPad** HunkPad pads an object file out to where it is exactly a multiple of 128 bytes, thus making it immune to having garbage appended on to the end of it by xmodem type file transfer protocols. Version 2, includes source. By J. Hamilton FF92, FF84

**HunkXA** utility to examine the hunk structure of executables, static libraries, dynamic libraries or object files. Supports all AmigaDOS 2.0 hunks. For use with KickStart 2.0 only.

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

This is version 2.00, binary only. Author: Peter Stuer FF703

**HuntWindows** Starting with 2.0 you can make screens bigger than the visual size of your monitor. On a double-size workbench, catching windows like requesters etc. can be quite annoying at times. This little utility hangs itself on the Vertical Blank interrupt to find out which window is being activated and moves the screen to show the window in full view. Version 1.4, includes source in assembler. Author: Jörg Bublath FF774

**Hyper** Will lead you through documents that are written to be used with the legendary 'Am'gaGu'de' from Commodore. An ARexx port gives access to it from other applications. Requires OS 2.x. Shareware, binary only. Author: Bernd (Koessi) Koessling FF786, FF739

**HyperANSI** The ultimate in ANSI editors. Allows you to edit up to 999 pages at a time, with a unique 'transparency' mode which allows you to 'see through' the pages ( and save as a single page ). Other features include; Copy, Move, Fill, Replace, Text alignment & justification, line drawing, character painting (colors and/or text), half character painting, and keyboard remapping for all 255 IBM characters, plus more. Shareware, version 1.02, binary only. Author: Mike D. Nelson FF803

**HyperBase** Nice little shareware database management system. Version 1.6, binary only, source available from authors. Author: Michael MacKenzie, Marc Mengel, and Craig Norborg FF131, FF58

**HyperDialer** Database for names and addresses, full intuition interface. Dynamically allocated, with configurable script startup file. Iconfiles to titlebar icon. Search, sort, insert, delete, full file requesters. Uses modem to control dialing of multiple phone numbers. Binary only, shareware, with source available from author. Author: David Plummer FF367

**HyperNet** A small hypertext shell program for Amiga, presented with sources and brief documents. It was also submitted by Glenn Everhart, the author. HyperNet allows a 'master' AmigaDos process to control a series of connected processes, where the connections are randomly ordered directed graphs. Permissible 'child' processes available at any stage are governed by the links of the graph. The implementation is mainly instructive, yet usable for tutorials or demonstrations and illustrates the simplicity of hypertext concepts on a multi-tasking system. FF176

**Hypno A** 'bouncing polygons' type program like Mackie, LineArt, and Bezier. Includes source in C. Author: Markus Schmidt FF297

**Hypocycloids** An electronic Spirograph inspired by an article in Feb '84 Byte Author: Terry Gintz FF27

**IBM2Amiga** Fast parallel cable transfers between an IBM and an Amiga C program. AM1

**lCalcA** powerful calculator with many features, including user de- fined variables and functions, C-style programming constructs, complex number calculations and more. Has comprehensive in- structions, and numerous examples. This is version 2.1.. Enhancements since previous version include base-conversion facilities and scripts to perform numerical integration. Binary only, source available from author. Author: Martin W. Scott FF742, FF713, FF695

**lCalcA** expression calculator with many powerful features, in- cluding user-defined functions and variables, many built-in functions, script files, and special looping constructs. Handles expressions involving both real and complex numbers. This is version 1.1. Includes source. Author: Martin Scott FF550, FF472

**IceFrac** A fractal generator using the Diffusion Limited Aggregation algorithm, as described in the book The Beauty of Fractal Images. This is version 2.1 and includes source. Author: Lars Clausen FF303

**Icon** A high-level programming language with extensive facilities for processing strings and lists. Icon has several novel features, including expressions that may produce sequences of results, goal-directed evaluation that automatically searches for a successful result, and string scanning that allows operations on strings to be formulated at a high conceptual level. Icon resembles SNOBOL4 in its emphasis on high-level string processing and a design philosophy that allows ease of programming and short, concise programs. This is version 7.5 of the public domain implementation of Icon from the University of Arizona. Binary only. Author: Ralph Griswold, Clinton Jeffery, et. al. FF277, FF81

**Icon** A tool which patches Workbench 2.x online to supply default icons for about 45 different file types ranging from LhArc archives to object code files. Enhances the 'Show All Files' option of Workbench which by default only knows two types of file icons: Tool and Project. If enabled scans all files in a directory which do not have an icon file supplied and tries to determine their file types. When done, tricks Workbench into believing that there are proper icons for these files in the directory. Includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olser' Barthel FF535

**icon.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Icon2C** A simple tool to turn any Workbench icon file into 'C' sourcecode, similar to the program of the same name by Carolyn Schepner on disk number 56. This version has an arp interface and offers support for Kickstart 2.0 icons. Version 1.2, includes source. Author: Olaf Barthel FF377

**Icon2C** Reads an icon file and writes out a fragment of C code with the icon data structures, for inclusion in a larger program. Author: Carolyn Schepner FF56

**Iconahollism** A selection of some very nice looking icons designed for an 8-color WorkBench. Includes script files to view the icons in their intended colors. Author: R.G.Tambash FF364

**IconAssembler** This program loads existing WorkBench

icon files and allows you to change either the primary or alternate images to another image loaded from an IFF-brush file. Binary only. Author: Stefan Lindahl FF101

**IconAuthor** A replacement for IconEdit2.0. It can transform IFF images or brushes into resized 2-BitPlane brushes or icon files that match the WorkBench2.0 colors. Online help is available via 'Hyper'. Demo version limited to processing provided demo image only. Requires OS 2.0. Version 1.0, shareware, binary only. Author: Bernd (Koessi) Koessling FF739

**IconAuthorDemo** A replacement for IconEdit2.0. It can transform IFF images or brushes into resized 2-BitPlane brushes or icon files that match the WorkBench2.0 colors. Online help is available via 'Hyper'. Demo version limited to processing provided demo image only. Requires OS 2.x. Version 1.06. Shareware, binary only. Author: Bernd (Koessi) Koessling FF786

**IconExec** These two tools allow execution of a program from a SetWindow icon without having to recompile the program. Author: John Toebes VIII FF12, AM8

**IconifyA** subroutine that creates an icon of the Amiga screen that can be subsequently dragged around, and double-clicked on. You can use this to have your programs 'iconify' themselves to temporarily get out of the user's way. Includes source and demo program. Author: Leo Schwab FF126

**IconImage** Program to replace an old icon image with a new image, without affecting icon type, drawer data, etc. Includes source Author: Denis Green FF120

**Iconize** Reduces the size of IFF images, companion program, Recolor, remaps the palette colors of one picture to use the palette colors of another. Using these programs and a tool to convert IFF brushes to Workbench icons, make icons look like miniatures of the pictures. AM24

**Iconizer** A utility program that saves your current mouse pointer to a small icon. You can restore the pointer just by double-clicking on its icon. Allows for building a whole library of pointers and to use them whenever you want. Binary only. By Alex Livshits FF150

**IconJ** IconJ significantly enhances the IconX program, and is 100% compatible. It allows scripts to be executed by double-clicking the script's icon. Abilities include joining the script with the icon file itself, or calling it from any directory or disk, executing either AmigaDOS or ARexx scripts.

outputting to any file or device, running interactive scripts and scripts that contain conditionals, and creating relative console windows. Includes a utility called Ataj which attaches or detaches a script to/from an icon file. Version 1.0, includes source in JForth. By: Rich Franzen FF321

**Iconmaker** makes icons for most programs. AM15

**Iconmerger** Intuition-based program to take any two brush files and merge them into an alternate-image type icon. V2.0, binary only. By Terry Gintz FF182

**IconMk** Iconmaker builds icons for files that were created without them. Version 1.2a, binary only. Author: Eric Levy FF71

**Icons** A bunch of 8-color icons for systems running AmigaDOS 2.0. Previously released 8-color icons from the author appeared on disk 213. Author: Wolf-Peter Dehnick FF533

**Icons** A large variety of icons for many uses, of practically every description. Most are animated. By: Bradley W. Schenck FF350

**Icons** A selection of 8 color hires icons for your viewing pleasure. Author: Ernst Janesch FF635

**Icons** Almost 300 icons in eight (!) colors. Uses a special program to get an eight color workbench to display these icons, which were made with DPaintII and IconGen. Most icons are miniatures of the main screen of their corresponding programs, or the picture they show, made with 'iconize' and 'recolor' from FF85. By: Wolf-Peter Dehnick FF213, FF151, FF124, FF82, FF71, FF67, FF44

**Icons** Some icons which can be used in the ToolManager dock window (ToolManager © by S.Becker) for instance. There are also a few tips for ToolManager users in the doc file. Author: Andre Weissflog FF806

**Icons** Some WorkBench 1.3 icons with a WorkBench 2.0 3D look. They also look pretty good under 2.0 when simply run through one of the many icon remapping tools available. Author: L. Guzman FF708, FF651

**Icons** Two collections of high-quality, consistently designed icons for the Amiga Workbench. The color collections will require an 8 color Workbench (i.e. Workbench 2.0). The black and white collections are useable on any normal 4 color Workbench. One set of icons is based on the icons supplied with the GEM windowing system, and the other set is modeled after the icons on a Silicon Graphics Personal Iris. A bonus set of ray-traced icons is included. Author: Kenneth Jennings FF546

**IconSwap** A small utility which allows you to quickly and easily swap the colors of your icons between the older 1.3 and the new 2.0-style. Version 0.14 includes source. Author: Uwe Röhrm FF595

**IconTools** Four programs to manage some aspects of icons using the Intuition interface and allowing one operate on many icons at once by shift-clicking. Floaticon 1.05 sets an icon so that the Workbench can freely place an icon in a drawer window. ReplaceTool 2.04 sets a new default tool for project icons using the Workbench icons or a file requester. ReplaceImage 1.01 changes the image of icons to that of another. Swap- Colors 1.01 swaps colors 1 and 2 in icon images. The last two programs will be useful for converting to the 'new look' of Workbench 2.0. Includes source in JForth Professional 2.0. Not related to IconTools on disk 284. Author: Richard Mazzarisi FF597

**IconTools** Here are some tools for icon tricks. Note that these tools are really hacks because they exploit some areas of the .info files that the current version of WorkBench does not clear or reset upon loading the icon. There are three programs here which allow WorkBench drawer windows to appear in non-standard colors and

allow you to move the position of the file name text to anywhere in the icon's graphic. Released to the public in the hope that 1.4 will allow more flexible user customization of the WorkBench appearance. Includes source. Author: Stephen Vermeulen FF284

**ICONtroll** An easy to use CLI command that gives you control over Work- bench icons. It's main purpose is to update the look of your icons for AmigaDOS 2.0 which can be done by swapping the colors in an icon or giving new images to them. Moreover it can be used to clear an icon's absolute position in a drawer or on Workbench. So it is also a helpful tool if you are not yet using AmigaDOS 2.0. Version 1.0 binary only. Author: Stefan Winterstein FF603

**IconType** Change the type of an icon after editing with IconEd. Types are Disk, Drawer, Tool, Project, Garbage, and Device. Includes source. Author: Larry Phillips FF69

**ICONS** A spline based object modeller which can be used to generate objects in TTDDD format. TTDDD files can be converted to lots of different object formats by using the T3DLIB shareware package by Glenn Lewis. Line mode and Flat mode solid rendering as well as Gouraud and Phong shading. Requires a machine with a floating-point co-processor. Version 1.0, includes source. Author: Helge E. Rasmussen FF775

**ID-Handler** An AmigaDOS device handler, that generates unique identifiers. Generates a new unique 16 digit decimal number each time it is opened by an application. Version 1.0, includes source. Author: Ed Puckett FF87

**IE** An icon editor which can create and modify icons up to 640x200 pixels in size up to 16 colors edit all non-graphical icon parameters including up to 40 tooltypes generate C source code for icon and image programming import/export IFF images recolor icons for DOS2.0 write text into icon in any font and style and much more. Demo version of IE 3.0 a major update. Requires 1 Meg. Source available from Author. Author: Peter Klem FF621, FF377, FF342

**It2.0** A CLI/Shell command, which decides whether your Amiga is running OS v2.x or OS v1.x and then executes a corresponding command line/argument. Especially useful for zKick-using Amigas. Version 1.2, includes C-Source. Author: Thomas Arnfeldt FF798

**IFFA** program to display single or multiple IFF files from Work- bench or CLI. It has been written in 100% assembler to be as small and fast as possible. Binary only. Author: Nic Wilson FF642, FF619

**IFFA** program which converts sampled sound files from the Instruments dealer demo disks to IFF sampled sound files in a FORM BSXV Author: Bobby Deen FF43

**IFF pictures**parodies of the covers of Amiga World and Amazing Computing magazines. AM16

**IFF** Routines to read and write IFF format files. Includes program to display IFF files made by DPaint. Also see the DPSlide program on disk 11. By Jerry Morrison, Steve Shaw, and Steve Hayes FF10

**IFF specs** This disk contains a number of files describing the IFF specification. These are not the latest and greatest files, but remain here for historical purposes. They include text files and C source examples. The latest IFF spec is elsewhere in this library. AM5

**If2Ansi** Turns any two-color low-res IFF picture into ANSI text that can be displayed on any ANSI compatible terminal. This is version 0.1, includes source in assembly. Author: Carnivore/BeerMacht FF449

**If2C** Another IFF ILBM to C converter. Two unique features are the ability to generate comments representing the actual image, and the plane/pick computation. V 0.30 with source. Author: Gauthier Groult and Jean Michel Forgeas FF316

**If2Ex** A program to convert IFF pictures to an executable. It can handle NTSC/PAL, interface and overscan. Version 1.0, binary only. Author: Pieter van Leuven FF331

**If2Pcs** An interactive puzzle program that takes any IFF file containing up to 16 colors, and breaks it up into squares to make a puzzle which the user can then piece back together again. Version 1.1 includes source. Author: Ali Ozer FF136, FF122

**If2Pcs** A program to convert any IFF file to postscript for printing or viewing on a postscript compatible device. Version 1.2, binary only. Author: William Mason and Sam Paolucci FF94

**If2Src** A utility to convert IFF pictures or brushes to source (C or assembly). The bitplanes, mask, colormap and image are written to a file. You can convert multiple files at once. Supports new 2.0 Appicon windows (like IconEd). AmigaDOS 2.0 only. Version 1.0, binary only. Author: Jorrit Tyberghein FF420

**If2Sun** A small utility for those of you who may have access to a Sun workstation. Takes an Amiga IFF file and converts it to a Sun rasterfile format. Source only, as the program needs to be re-compiled and run from a Sun. Authors: Steve Berry, Mark Thompson FF223, FF174

**Iffar** Maintains archives of Interchange File Format (IFF) FORM, AT and LIST files in a manner that complies with the IFF CAT specification. Version 1.2, with source. By Karl Lehenbauer FF162

**IFFBeep** A small utility that lets you replace the screen flash of DisplayBeep() with any IFF BSXV sound file. Also plays sounds on disk insertion/removal. It can be run from the CLI or Workbench and includes an interactive control panel. Version 2.0, binary only. Author: Paul Wilkinsn FF472

**IFFBoot** Inspired from BOOTLOGO by Markus Illenseer, allows you to show any IFF file during bootup that will exit when the WB appears. Version 1.0, requires OS 2.04 or greater, binary only, includes some sample pictures. Author: Colin Bell, some IFF pics by Justin Trevena FF800

**IFFB rush2BOB** by Mike Swinger. AM14

**IFFConvert** A program to convert the different compression methods of IFF ILBM files. It supports the normal compression, a new compression method that compresses column by column instead of row by row, and

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uncompressed files. Version 1.11, includes source. Author: Matthias Meixner FF699

**IFFDump** Two programs for manipulating IFF files.

**IFFENCODE** grabs an active screen and writes it to a file in IFF format. **IFFDUMP** decodes information in arbitrary IFF files and prints it in a human readable form. Author: Matt Dillon FF38

**IFFLib** An easy to use Amiga library which gives you some powerful routines for dealing with IFF files, especially ILBM files (pictures), ANIM files (animations), and 8SVX files (digitized sounds). It is written completely in assembler and is just 3Kb. Includes source and binaries for several example programs that use the library. This is version 22.2. Binary only. Author: Christian A. Weber FF674, FF301, FF173

**IFFM2** Demo version of an IFF support module for Interface Technologies M2Amiga Modula-2 system. Includes a version of ViewILBM (with source) that uses the IFF support routines. V1.0.0D, binary only. Author: Gregory Epley FF221

**IFFtoSUN** This program takes a standard IFF format image and translates it into a SUN rasterfile format, like the Iff2Sun program also on this disk. However, this one runs on the Amiga. V1.31, includes source. Author: Richard Frost FF223

**IFFWizard** IFFWizard shows all chunks of an IFF file together with a short description and the chunk length. It knows over 170 Chunk-IDs and Type-IDs and descends recursively into FORM- LIST- CAT- and PROP-chunks. This distribution also contains a companion file with a list of all chunk- and type-IDs known by IFFWizard. This is version 1.10. Freeware. Source in C included. Author: Stefan Zeiger FF584

**Ifs** An Iterated Function System viewer which graphically displays iterated function systems and allows the user to interactively create the affine functions that define such systems. An IFS can represent complex pictures very compactly. Simple IFSs can describe an infinite number of different and interesting fractal displays. Includes a number of displays that the author and others have discovered. Version 1.5, includes source in C. Author: Glen Fullmer FF321

**IFSGen** An Iterated Function System generator. Generates pictures of ferns trees galaxies snowflakes and many others using IFS codes (a type of fractal). Features full mouse control of the functions which define the picture. Just point the mouse at one of the parts of the shape and drag it around the screen. Fully menu driven with the ability to load and save IFF pictures and the codes that generate them. Fine tune codes and move them around the screen zoom in and out and much more. Lots of example files. Written in AMOS and compiled so that you can run it from WorkBench. Version 2.1 shareware version with saves disabled binary only. Requires 1 Mb of memory or more. Full source code available when you register. Author: Andrew Kreibich FF554

**IFSLab** An Iterated Function System fractal generator. This one focuses on the 'Collage Theorem'. It permits you to draw an approximate outline of the planned fractal, then create the collage directly, jigsaw-puzzle style, from actual reduced images of the outline that you can manipulate and deform with the mouse. The attractors of the resultant IFS codes can be rendered in black and white or in grayscale, and saved to IFF files. Version 1.0, includes source in C. Author: Nathan Zeldes FF696

**Info** A replacement for the DOS 'Info' command written in assembly. This program has a similar output format and takes the same parameters. It has the added advantage of including maximum filesize in bytes that will fit on a disk. Coded in optimized assembly language it is smaller than the original DOS command. Version 1.00 binary only. Author: Nick Wilson FF626

**ILBM** The libm reader/writer library 0.5 and examples. Also can be used for non-ILBM files. 100% compatible with original Electronic Arts code. Binary only. Author: Jeff Glatt FF463

**ILBM2C** Very useful utility for C-programmers. Reads in a standard IFF ILBM file and outputs a file to be included in your program. Source plus a sample program. By Tim Kemp FF173

**ILBMLib** A shared library (libm.library) to read/write IFF files, derived from the EA IFF code, along with various enhancements. Version 0.3. Author: Jeff Glatt, Dissidents Software FF393, FF348, FF237

**ILet** A simple list manager which displays the data of all open screens and their connected windows. OS 2.xx only. Version 0.1, PD, includes source. Author: Hans-Peter Gunther FF744

**Image-Ed** An icon editor that allows you to draw and edit images up to 150 by 90, in up to 16 colors. Allows freshhand drawing, empty or filled rectangles, ellipses, triangles, lines curves, and polygons, copy, flip about x or y axis, stretching and condensing, flood fill and complement, text with selection and loading of font style, undo, magnified and normal sized images, and two active drawing screens at once. This is version 2.4. Shareware, binary only, source available from author. Author: Jonathan Potter FF412, FF242, FF211, FF204, AM4

**ImageEditor** A simple to use graphics editor which allows you to draw and save images/sprites as assembler or C source code. Includes IFF support, undo, and an iconify function. Another feature is the small memory usage so you can use multitasking even on a 512K machine. Maximum picture size is 166\*58 pixels. This is version 2.4 and includes source. Author: Robert Jungthans FF355

**ImageLab** A program which performs image processing on IFF pictures. Includes standard image processing functions such as convolution, averaging, smoothing, enhancement, histograms, FFT's, etc. Also includes file conversion functions, a clipboard, and other useful functions. Version 2.4, includes bug fixes, PAL support, overscanned and

super-bitmap image support, improved paint operation, better area selection, HAM histograms, and FFTs. Binary only. Author: Gary Millum FF452, FF243

**Images** Miscellaneous DPaint and digitized pictures, in IFF format. Some are rated R. FF12

**ImageTools** A set of shareware tools, submitted by the author, to do various manipulations on IFF images, including comparison of the color palettes of a pair of IFF images, filtering an IFF image in various ways, producing a color usage frequency chart for an IFF image, reducing the size of an IFF image to produce a miniature to use as an icon, converting an icon to an IFF image, and recoloring an IFF image using the palette of a second image, in a least squared error fashion. Shareware, binary only. Author: Stephen Vermeulen FF85

**MandelVroom** A slightly modified version of Kevin Clague's mandelbrot program (on FF78) that uses his 'ring detector' to draw an approximation of the interior strange attractor contours. Binary only (with patches for original source). Author: Kevin Clague, enhancements by Howard Hull FF90

**ImLate** The White rabbit in HIREs color FF72

**Imperium Strategic**, RISK style game for up to four players. Based in the ancient times of Rome, Athens, Alexandria and Carthago. Binary only, shareware (\$10). Manx-C source available from the author. English version 1.66E and German version 1.79D. Author: Roland Richter FF474

**Imperium\_Romanum Strategic**, RISK style game for up to four players. Based in the ancient times of Rome, Athens, Alexandria and Carthago. Binary only, shareware (\$10), with C source available from the author. Version 1.50E. Author: Roland Richter FF362

**Imploder** Allows you to reduce the size of executable files while letting them retain full functionality. Uses efficient algorithms (both time and space) as well as taking into full consideration the complexity of the Amiga environment. Very well done. Version 3.1, binary only. Author: Peter Struijk and Albert J. Brouwer FF422

**Improving Graphics**: Improve the way your program looks no matter what screen it opens on. In C. Author: Richard Martin AC5

**Incr** Incr will easily allow the user to keep a total count of any event run from a batch file. Incr will take a number from a file, increment it by one and display the result. The new count is written back to the file. Version 1.04b, includes source. Author: George Kerber FF311

**IncrRev** A small program for a makefile or an Imkfile to update a program's revision number after each successful compile process. This is version 1.10. Includes source in C. Author: Joerg Fenin FF777, FF536, FF161

**Indent** A C source code formatter/indenter. Especially useful for cleaning up inconsistently indented code. Includes source. Author: Various, Amiga port by Carsten Steger FF821, FF702, FF672

**Indent** This is version 1.1 of GNU Indent, a C source code formatter/indenter. Especially useful for cleaning up inconsistently indented code. Includes source. Authors: Developed by the University of California, Berkeley, the University of Illinois, Urbana, and Sun Microsystems, Inc. GNU version by Jim Kingdon, Amiga port by Dan Riley. FF262

**Info** Replacement for the AmigaDOS info command. Includes source. Author: Chuck McManis FF79

**InfoQ** A replacement for the CLI 'Info' command. Has the option to display devices or volumes or specified devices only. Displays the columns 'Size' and 'Used' in MBytes or KBytes instead of blocks. Requires AmigaOS 2.04.

Version 1.0, includes source. Author: Diorat Temme FF763

**InfoTools** Several tools to query information about or to disassemble Infocon game files. Source in 'C' is included. Author: Mark Howell, Amiga port by Olaf Barthel FF834

**Ing** The next step in the 'boing wars'. Turns a nice screenful of little windows into a screen of lots of bouncing little windows. Cutel Author: Leo 'Bole Ewhac' Schwab FF54

**InputA** toolkit with link time and shared libraries that allow easy access to the input device. Includes examples and test programs. Version 1.1, binary only. Author: Paris Bingham FF446

**InputHow** to read keyboard input simply and quickly. Includes C source, a sample program, technical discussion, and programming modules that you can 'plug in' to your own C programs. Includes source. Author: Timm Martin. FF436

**Input.dev** In combination with handler.interface.asm (supplied), lets a user trap keyboard or mouse events before they get to intuition and if desired, install new (phony/ generated /other-devices-mouse-simulations) into the input stream. Handler.interface.asm is needed to convert the calling sequence performed by the input.task for the input stream management into something that a C program can understand. By Rob Peck 12/1/85 FF5, AM4

**Inputdev.txt** Preliminary copy of the input device chapter. C program. AM4

**Inputhandler** Example of making an input handler. AM16

**InputLock** An input handler to help Amiga users who have cats other pets (or children) that mess with the Amiga as soon as it is left for a second. It installs an input handler which lets you lock the keyboard and mouse by pressing a few buttons. Very small, uses only 190 bytes of memory. This is version 1.1. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**InputView** A small tool for AmigaDOS 1.3 to record the input stream at a given time and then insert the recorded events again later instead of the user input. Version 0.24 includes source. Author: Uwe Rohm FF599

**InScript** A program for producing video titles. Features include fully editable text entry, IFF pictures as background, unlimited number of fonts loaded at one time, up to 99 undos, outline font support (WB 2.0), text styles (shadow, outline, etc) can be named and saved, toolbar for common operations, playback script maker with transitions

between pages, adjustable color cycling, low, high and interlace resolutions with overscan, adjustable kerning, and comprehensive text alignment options. InScript can save InScript data, IFF pictures or animation files. At least 1 mb memory required. Version 1.1, share-ware, binary only. Author: Gary Smith FF739

**InspireDemo** Demo version of a new, easy to use, AmigaDOS 2.0 text editor. The demo is the same as the registered version, except that save and print are disabled in the demo. Inspire uses the new features of AmigaDOS 2.0 extensively, including using the ASL requester for font and file selection, and the gadtools library for standardized gadgets. The display database is used so you may open any type of screen that your computer is capable of. Features include an ARexx port, undo, find and replace, bookmarks, text centering, word wrap, case conversions, clipboard support, auto indenting, and more. Version 1.2, binary only. Author: Josh Van Abrahams FF815

**Insta Sound**: Tapping the Amiga's sound from AmigaBASIC using the Wave command. Author: Greg Stringfellow AC3

**Install** A replacement for the AmigaDOS Install command, with an intuition front end. Includes source in assembly. Author: David Kinder FF817, FF643

**Install Drivers** A document describing the installation process for printer drivers. AM9

**Install Two** Possible replacement versions of the standard install program (to make a disk bootable). Includes source. Author: Bryce Nesbitt and Scott Turner FF87

**InstallBeep** This program replaces the DisplayBeep function so that an IFF 8SVX sound is played instead of the screen flashing. The PlayBeep function runs as a task in the background and runs asynchronously so the length of the sound does not slow anything down. Includes a couple of sample sound files. Version 1.1, binary only. Author: Tim Friest and Don Withey FF217

**Installer** A replacement for the installer tool by Commodore. It's an interactive, user-friendly installer, that can perform a complete, sophisticated installation. GadTools user interface and the ability to save a preferences file and a lots of options. Step by step installation, ask, update, make/del, options, etc. Controlled by a simple script which contains the names, patterns and/or vars of the installation programs. OS 2.xx only, includes installation script for itself. Version 3.1, freeware, binary only. Author: Hans-Peter Gunther FF761

**InstallLibs** A program to copy files to the LIBS: dir of a boot disk. Can be used to create a handy installation program (hard disks especially) for programs that need disk-based libraries. Includes source. By: Dissidents Software FF348

**Instruments** A collection of 25 instruments (from Cannon to Marimba) for playing and creating music. AM23

**InTime** A program to overlay a 'timedcode' onto videotape while making working dubs of original footage. The display consists of a tape number, hours, minutes and seconds. It is designed to be used as aid in logging and finding sections of a video tape. The display can be in any shown in any font. This is version 1.2, binary only. Author: Gary Smith FF736

**Intoxicated** A nice little screen hack which affects the mouse. Saying any more would spoil the fun. Includes source. Author: Thomas Albers FF416

**Intrepid** An arcade/strategy game in which you must navigate a high tech tank through the Antarctic to rescue a scientist taken hostage by terrorists. Version 1.5, binary only. Author: Peter Gage FF665

**IntuiDOS** IntuiDOS is a program to give improved control over, and handling of, the material on all diskettes in the 'CL'-area by employing a multi-disk, scrollable directory and using intuition techniques to issue DOS commands. Written in assembler. Binary only. Author: Lennart Sandin FF103

**IntuiFace** An intuition interface that handles the important functions of creating, inserting, extracting and listing files for three popular archiving utilities: ARC, ZOO and LHARC. Version 1.00, binary only, shareware. Author: Matthias Zepf FF366

**IntuiSupA** shared library which implements extensions to the Amiga operating system and graphical environment. Includes several example programs that make use of the library, including building a nifty file requester from the library's user interface routines. Version 1.15, binary only. Source available from author. By: Gauthier Groult FF316

**IntuiSupA** shared library with support routines for using texts, menus, borders, gadgets, requesters, and more, under AmigaDOS 1.3. Includes a template editor and source to library and test programs. This is version 4.5. Author: Torsten Jürgeleit FF722, FF715, FF708, FF654, FF601, FF562

**Intuition demo** An Intuition demo, in full C source, including files: demomenu.c, demomenu2.c, demoreq.c, getascl.c, idemo.c, idemo.guide, idemo.make, idemoall.h, nodos.c, and twrite.c AM4

**Intuition.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**IntuitionEd** Intuition based utility that creates C source code for screen, window, border and text structures. IntuitionEd can also write the code for several functions required for the opening and closing of these structures. The code can then be compiled by either Manx and Lattice. Shareware donation to the author will receive an enhanced version capable of writing gadget structures as well. Version 1.0, binary only, several samples included. Author: Niels Thorwirth FF377

**Object** A linker library that emulates some gadgets of the gadtools library (CheckBox, Cycle, Button, Scroller, Integer, String) and an area of text with scrolling. Works with all versions of WorkBench. Includes examples and documentation in English and French. Binary only. Author: Christophe Passuello FF846

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**IOBoard** Full plans for a public domain hardware project which adds two parallel ports and two serial ports to an Amiga 500, 1000, or 2000, for less than \$100, with the capability to upgrade to four ports of each type at any time. Includes serial and parallel drivers with source code. Version 2.10. Author: Jeff Lavin, Dan Babcock, Paul Coward FF520

**IPC** An IPC (Inter-Process Communication) package, with the goal of creating a standard for IPC on the Amiga that is flexible enough to handle the widest possible range of applications. The protocol used addresses different problem areas than ARexx, and emphasizes different aspects of the communication process, such as fast communication and preservation of data structure. Includes source. Author: Pete Goodeve and Peter da Silva FF290

**IPDevice** Pipes for Power People. A pipe-like DOS device that passes data immediately rather than waiting until a buffer is full. It also allows multiple writers to a single channel, maintained connections, and piped connections to a Shell. Binary only. Author: Pete Goodeve FF374

**IPo2C** A utility to write a C-language definition of the current intuition pointer to a file, which can then be used in a program via SetPointer to mimic the intuition pointer. Includes source. Author: Alex Livshits FF105

**IRA** Allows easy calculation of future values of investment. Enter the beginning investment value, annual percentage rate, annual deposit amount, and number of years, to compute the future value. Version 2.0, includes source. Author: Joel Swank FF304

**IRMasteR** This is a hardware/software project to allow the Amiga to read an infrared remote control via the parallel port. Includes an ILBM of the schematic for a simple interface to the A1000 parallel port, some modifications are needed for other Amigas. The source code and executable for a reader program are included. For further functionality modifications to the source can be performed. Author: Ron Peterson FF477

**ISAM** A Server/Library. Even novice programmers can store/retrieve database records. Powerful, multi-'user', almost unlimited number/size of records/files. Different users may access same file, file/record locking (exclusive/shared), multiple keys/ file. Keys may: ascend/descend, overlap each other, have unique/repeatable values, be up to 499 bytes. Many record retrieval methods. Recover Index file if lost/corrupt. Deleted record space reclaimed. Small: server < 49K; Resident Library < 8K. AmigaDOS V1.2 and up, shareware, binary only. Version 1.01, contains examples w/source. Author: Scott C. Jacobs. FF766

**Isam** A library of routines to access relational data base systems using the Index Sequential Access Method (ISAM). This is beta version 0.9, binary only. Author: Kai Oliver Ploog FF203

**Ishtid-o-matic** An Ishido type game. Lots of features, like single player, two players, tournament mode, highscore tables, sound, etc. Includes partial source in Modula-2. Author: Robert Brandner FF664

**ISL** Imagine Staging Language, a decompiler and compiler which allow the user to create and modify Imagine staging files in a manner much more powerful than that provided by Imagine itself. Imagine is the 3d rendering and animation program published by Impulse. ISL does not require any particular version of AmigaDos, but it only works with version 2.0 of Imagine. Version 1.4, binary only. Author: John T. Grieggs FF845

**ISpell** An 'Amigaized' port of a Unix version of a freely distributable interactive spelling checker. Two major modes of operation: Original Interactive Mode to allow a user spell check and correct a text document and ARexx Server Mode that allows the end user to hook ISpell up to text editors and other things that need a spell checking service. Regular expression lookup of word patterns is also possible in ARexx Server Mode. Includes ARexx macros for GUISpell (included), CygnusEd, Mg, TurboText, GNU emacs, VLT and WShell. Requires AmigaOS 2.04 or later. Includes source. Author: Many! Current version by Loren J. Rittle FF774, FF554

**Is68010** Text guide to installing a 68010 in your Amiga. AM9

**Itb** This program converts an icon to an IFF picture (brush) file. It handles both single and alternate image (animated) icons. This is version 1.10 which adds a colour palette to the previous version from disk 85. Version 1.10, binary only. Author: Stephen Vermeulen. FF326

**Japanese** Two programs to help teach Japanese. 'Word A Day' is a popup program to put in your WBStartup drawer. It will randomly select one word out of it's 1019 word database and display it along with the English. 'JapaneseVocabulary' is a quiz type Japanese vocabulary builder. Both programs are standalone and complete, and also work with the 'Japanese Talking Picture Dictionary' by the same author. Author: Wayne Quigley Sr FF839

**JAR** A shareware game (Jump And Run) using 3-D graphics. Your task is to collect the blue pills lying on the floors and steps, not to fall down or off the steps, and to avoid several monsters wandering about. You can collect various sorts of weapons to use against the monsters. Version 1.0, binary only, source available from author. Author: Andreas Ehrentraut FF242

**Jask** An intuition-based replacement for the ASK command. Will bring up a requester with a message and boolean yes/no type gadgets. Version 1.0, includes source. By John Barsingher FF177

**JayMinerSlides** These are the Amiga slides produced/used by Jay Miner (the designer of Amiga's custom graphics chips) in his talks about the Amiga. They are all hi-res (640 x 400) and are best displayed on a long-persistence color monitor FF19

**JazzBench** A drop-in multitasking replacement for WorkBench. It has more features than WorkBench and is fully multitasking (no more waiting for ZZZ clouds). It

allows you to extend it, add your own menus, key shortcuts, etc. This is alpha version 0.8, binary only.

Author: David Navas FF228

**JbSpool** A print spooler written specifically for AmigaDOS 2.0. Has been implemented as a commodity and written with the 'User Interface Style Guide' close at hand. Features a complete font adaptable GUI containing a lot of control gadgets and menus. Version 1.0, includes source. Author: Jan van den Baard FF656

**JcGraphDemo** Demo version of a ShareWare Business grapher with an Intuition interface. JcGraph can show your data as bar, line, planes, stack, blocks, 2D and 3D, etc. Features realtime rotation around X, Y, Z axis, on-line help, professional looking 2D and 3D graph output, and more. Can output EPS, 3D GEO, AegisDraw2000 and IFF ILBM format files. Demo version 1.100, an update to demo version 0.903 on disk 671. Binary only. Author: Jean-Christophe Clément FF760, FF671

**JeansIcons** Miscellaneous cute icons created for AMUC's monthly newsletter disk. Submitted by Stephen Vermeulen. Author: Steve Jeans FF137

**Jed** Yet another programmer's editor. Lots of features, including: total customization, a powerful programming language, multiline/multi-view editing, number of windows is only limited by memory, clipboard support (cut/paste on any unit), any window can have any (non-proportional) font, an Arxex interface, and more. Version 2.05, (apparently unrelated to the version of Jed on disk 297). Requires OS2.0 or later, includes source. Author: John Harper FF776

**Jed** A nicely done, intuition-based editor that is quite user-friendly. Features word-wrap, auto-indent, newcli, alt buffer, split-window, keyboard macro, help, printing, and more. V1.1. Shareware, binary only. Author: Dan Burris FF297, FF180

**JEYES** Amiga version of XEyes, a program which opens a window on the WorkBench screen containing eyes, which follow the cursor about the screen. Version 3.0, binary only. Author: John D. Gerlach Jr. FF712

**Jimmy** Disney's Jimmy The Cricket in HIRES color FF72

**Jlve** program which transforms its standard input to 'live' on its standard output. Author: Unknown FF46

**JM** Job Manager is a utility which extends the AmigaDos multi-tasking environment by providing features such as: allocation of CPU cycles in any ratio to multiple CPU bound processes, default task priorities based on task name, task logging, system uptime reports, task CPU use and CPU % reports, task invocation times, and more. JM has very little impact on the system itself. Requires AmigaDOS 2.04 or later. Includes 68000/20 and 68030/40 versions. Version 1.1, an update to version 1.0 on disk 602. New features include better task name detection, an ARexx port, and a number of bug fixes. Binary only. Author: Steve Koren FF647, FF602

**JMenu** This program allows an AmigaDOS script to display a menu, wait for the user to make a selection either with the mouse or the keyboard, and return the selection back to the script through an environment variable. It can also immediately execute any valid AmigaDOS command based upon the menu selection. The maximum size of the menu is based on the screen resolution and font size, up to a maximum of 26 selections of a maximum of 80 characters each and an optional title area of up to 4 lines. Version 1.1, binary only. Author: James Collins FF460

**Jobs** An alternate user interface to WorkBench or CLI. Version 2.1, binary only. Author: John Sawaya FF70

**JoeyDemo** A demo version of a Sokoban type game where your task is to push Grullies (the only food of the Joey) to the stock, which is designated with little rhombic symbols on the floor. To complicate things there are iceblocks and teleporters. The demo version contains 5 levels while the registered version contains 60 levels. Shareware, binary only. Author: Richard Ziegler, Roland Schreiner FF714

**Join** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**JoinSoundsA** utility to join 8SVX sound files. Graphical interface allows samples to be previewed, and start/stop points to be set. This program will join both stereo and mono sound files in any combination. Uses buffered disk I/O, allowing samples larger than available memory to be joined. This is version 2, binary only. Author: Joe Tatman and Brian Roy FF713

**Journal** Journal is a program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back with another program, also supplied, which causes the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. V1.0, binary only. By Davide Cervone FF95

**JoyLib**Both a linktime version and a shared library of Joystick routines featuring a technique which proves to be extremely fast on 68010 or higher processors, and still faster than most of the other routines on standard processors. Includes source for library in Assembler and the demonstration program in C. Author: Oliver Wagner FF378

**JoyMouseA** simple program that allows you to use a joystick as a mouse. Binary only. Author: Jonathan Potter FF412

**Joystick** Shows how to set up the gameport device as a joystick. Reports parameters received from joystick hooked to right port. Author: Rob Peck FF5, AM4

**Jpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**JPClockA** short clock program that is just packed with features. Includes source. by: Jonathan Potter FF242, FF204

**JPDirtuti** A directory-utilities type program with many built-in commands, and 16 customizable gadgets. User

configurable in many ways. Can be iconified to Workbench screen. This is version 1.12, an update to version 1.11 on disk 287. Binary only. Author: Jonathan Potter FF412, FF287

**Jsh** A simple command line interpreter drawing on features from the BSD C shell. Author: Jim Kent FF38

**JTime** Detailed instructions, including schematics in IFF format, for building and installing a battery backed up realtime clock. The clock goes on the joystick port (aka mouse port 2). Author: Michael Keyran FF65

**Juggette** Some cute juggler animations from Eric Schwartz. Includes Juggette Anim, Juggette\_2, and Juggler Demo 2. Author: Eric Schwartz FF413

**Juggler** Stunning animation of a robot juggler with ray traced reflective spheres. Uses HAM mode display and sound effects to boot! Version 1.2. Binary. By Eric Graham FF97, FF47, AM16

**JukeBox** A program to play compact digital audio discs by emulating a graphical user interface similar to common CD players. It provides a command line oriented, fully programmable ARexx user interface, as well. Version 1.2522, shareware, binary only. Author: Franz-Josef Reichert FF819

**Jumble** A quick 'brute force' program for solving for anagrams. Not very elegant, but gets the job done. Includes source. Author: Mike Groshart FF262

**JustBeeps** Simple example of using Audio and Timer devices. Plays a series of beeps whose pitches are based on a just intuned tuning system. Standalone image with source code. By: Phil Burk FF239

**K1** An editor program for the Kawai K1-II synthesizer. Includes a bankloader for single-patches and multi-patches, a single-patch editor, a multi-patch editor, and support for the effect-session and K1 controllers. Binary only. Author: Andreas Jung FF521, FF481

**K1\_Editor** An editor for the Kawai K1(m) synthesizer with two auxiliary programs for managing sound dumps. V 1.00, shareware, includes source. Author: Michael Balzer FF332

**K4Editor** Demo version of a sound editor for the Kawai K4 Synthesizer. Displays and allow editing of all parameters of midi data dumps. This is version 0.99, shareware, binary only. Author: Martin Stengle and Bernd Jessel FF657

**Kamin** Various interpreters from the book 'Programming Languages, An Interpreter-Based Approach', by Samuel N. Kamin. This distribution includes lisp, apl, scheme, sasl, clu, prolog, and smalltalk interpreters, automatically translated from Pascal to C using p2c. Includes C and Pascal source. Author: Samuel Kamin FF524

**Kan** A program that patches a replacement delete function into the DOS library. This program will simulate the Trashcan function provided by Workbench. Support programs provided to allow automatic purging of Kan directory from startup sequence. Compatible with 1.3, 2.0 and Amiga 3000. Binary only. Author: James Butts FF694, FF660

**KawaiEditor** A Kawai K4 editor (a MIDI-based music synthesizer). Version 1.0, shareware, binary only. Author: Jan Saucke FF403

**KCommodity** Multifunctional commodity for OS 2.0. Includes window-activator, time-display in several modes and formats, alarm function, KeyStroke-Clicker, time to environment, Window/Screen cycling, LeftyMouse, ESC-Key can close Windows, Revision Control System, telephone bill calculator, Screen-/Mouse-Banker, Mapping of german 'Umlauts', PopUp Shell, Applan support, LeftyMouse, user definable HotKeys. Fully controllable via ARexx-Port. All settings can be customized and saved to disk. V2.00, update to V1.75 on FF673. Requires OS 2.0. Written in assembly for speed and efficiency. Shareware, includes source. Author: Kai Iske FF746, FF673, FF646

**KeepA** nice little utility program with an intuition interface for BBS and network junkies who download messages in one large file and then read them off-line. Using only the mouse, you can drive through such files a message at a time, examine each at your leisure and tag those you wish to keep. V1.2, binary only, but source available with donation to author. By Tim Grantham FF149, AM25

**kermit** This is an absolutely ancient kermit, who's only saving grace is it is small and quite portable. On the AMIGA, there is no connect mode, only send and receive. You must log into the remote machine via one of its local terminals and point its kermit at the appropriate serial line connected to the AMIGA. Author: Unknown, but it is so hacked up it doesn't matter. FF4, AM3

**Keti** Prints 3.5" disk labels (71.5 x 69.6 mm) on a NecP6 from a 15 line ASCII file. The first line will be the headline (max 25 chars), 14 textlines (max 44 chars) may follow. Requires OS version 2.0. Includes source and DME macros. Author: Bernd (Koess) Koelsing FF739

**KeyBang** A program to entertain a very young person while simultaneously-ly protecting your Amiga from the consequences of such enter-tainment. Keybang draws shapes and plays sounds in response to playing with the keyboard and mouse. The sounds are IFF 8SVX samples which you can supply or use the ones provided. This is version 1.0 shareware. Includes source. Author: Mike Stark FF631

**keybd.c** Direct keyboard reading. C program. AM4

**KeyBird** BASIC prog edits keymaps, adjust the Workbench keymaps or create your own. AM25

**KeyBiz** This little hack will make you think you have mice scurrying around in the back of your computer. Includes source. Author: Mark Schretlen FF274

**Keyboard** Functions to translate RAWKEY Intuition messages into usable keycodes. Translation into Modula-2 of C source (by Fabbian G. Dufoe, III) on disk 291. Version 1.0. Includes source. Author: Fabbian G. Dufoe III, Peter Graham Evans FF344, FF291, FF5

**Keyboard Input In Assembly**:Fourth in a series of Assembly 68000 programming tutorials. Author: Jeff Glatt. AC12

# Freely Redistributable Software

**KeyClick** A small utility to provide a key-click. Has a nice Workbench interface to modify settings. Requires Kickstart 2.0 or high-er. Binary only. Author: Martin W. Scott FF742

**KeyCodes** Shows keycodes for a key you press in ABasic. AM1

**KeyFiler** A BBS message file sorter that allows sorting by keyword. Includes a textreader, Soundex matching, and limited wildcard capabilities. V1.0, Binary only. By John Molsinger FF157

**KeyLock** Freezes the keyboard and mouse until the correct password is typed. Protection against inquisitive kids, cats, and other lifeforms. Binary only. Author: Andry Rachmat FF81

**KeyMac** A keyboard macro processor that allows you to record keystrokes and then play them back. V0.1, Source in Modula-II. Author: Fridtjof Siebert FF253

**KeyMacro** A keyboard macro program, configurable via a text file, that also supports hotkey program execution. You can map up to eight functions to each key, including keys such as cursor keys, the return key, etc. Version 1.12 with a number bug fixes and enhancements, an update to version 1.8 on disk 436. Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF535, FF436, FF398, FF354, FF325

**KeyMapEd** Allows you to change the KeyMaps used with SetMap. This is a full featured editor providing support for normal, string and dead keys. The keyboard represented is from an A3000/A2000/A500 but it is fully compatible with A1000 keyboards. This is version 1.1i, an update to version 1.02 on disk number 193, binary only. Author: Tim Friest FF388, FF193

**KeyMenu** Allows fast, easy access to pull-down menus from the keyboard without having to remember all the special amiga key sequences Version 1.01, binary only. Author: Rainer Salamon FF362

**KeyMenu** An alternative to Intuition's method of menu selection via the keyboard. Uses one key to activate the menu for the currently active window, the cursor keys to move through the menu as you choose, and the return key to select the desired menu item or escape key to abort selection. Works with AmigaDOS 2.0 mouse accelerator and has option to blank Intuition's pointer. Includes assembly source. Author: Ken Lowther FF528, FF470

**KFAST** Key Frame Animator with Skeletal Technique. A collection of functions to implement a two-dimensional object based animator designed to use the skeletal technique of modeling objects and simple tweening to free the animator from the labors of producing smooth transitions between key drawings. A crude demo program has been included utilizing the routines. Version 0.5, includes source. Author: Craig M. Lever FF683

**Kick** Another screen hack, specifically for A500/A2000 owners. I don't want to spoil any surprises but reportedly causes some machines to crash. Binary only. Author: Tony Solomon, Paul Fortin FF389

**KickBench** Instructions and programs for creating and using a combined KickStart and WorkBench disk, so only one disk is needed to reboot. Allows the system to reboot unattended after a power failure. Requires disks from developer's disk Author: Alonzo Gariepy FF36

**KickDate** Saves and retrieves the current system date stamp to the first sector of the kickstart disk. This is handy for A1000 users with autobooting hard drives, since it can save the system time across system resets and power cycles. Version 1.0, includes source. Author: Joe Porka FF408

**Kickdum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**KickFont** For A-1000 owners, will permanently replace the topaz font on the kickstart disk with a font called 'look'. Includes a sample in the form of an IFF picture. V3.0, binary only. Also included is Benjamin Fuller's freely redistributable 'SumKick' program. By Greg Browne FF179

**KickMem** A program for A1000 hardware hackers that have done the Amazing Computing 512K upgrade. KickMem will patch your 1.2 or 1.3 kickstart disk to perform addmem during kickstart. This allows warm boot survivability of ram disk devices and eliminates addmem commands from your startup sequence. V2.0, includes source. Author: Dave Williams FF224

**Kill** Removes a task and as much of its resources as possible. Can close windows, unload process code, etc. Includes source. Author: George Musser FF79

**Kill.fastdir** Speed up directory access, it creates a small file in each directory on a disk which contains the information about the files, will also remove all the 'fastdir' files from each directory. By CLImate's authors. AM25

**Killer** Killer is an incredible demo written by Robert Wilt. It won fourth place in the Badge Killer Demo Contest. Requires at least one meg of memory to run. Sound is also an important part of the demo so be sure to turn it up. Binary only. By Robert Wilt FF115

**KillReq** A small program which disables Intuition's AutoRequest function. In particular, this prevents AmigaDOS from putting up system requesters, which is useful if you are operating your Amiga remotely and can't use the mouse to click CANCEL. Unlike similar utilities which affect only a single CLI, KillReq disables ALL requesters. V1.0 and includes C source. By Eddy Carroll FF290

**KingFisher** A specialized database tool providing maintenance and search capabilities for the descriptions of disks in the format used by this library. KingFisher's database can span multiple (floppy) disk volumes, can be edited by text editors that support long text lines, can add disks directly from unedited email or usenet announcements, can remove disks, rebuild a damaged index, find next or previous software versions, print or export (parts of) the database, and more. Includes a database of disks 1-800. Binary only. Author: Udo Schuermann FF808, FF783

**KingTut** King Tut in an IFF picture. AM6

**Kilde** This line art demo is Jerry's entry to the 1989 BADGE Killer Demo Contest, where it won 4th place. Kilde uses line mode blitter code which is capable of rendering short vectors at a rate up to 15,000 lines/second. Binary only. By Jerry Kallaus FF268

**Klock** A menu-bar clock and date display. Executable AM9

**Klondike** A single player card game. Shareware, binary only. Author: Peter Wiseman FF740, FF491

**KME** KME is another keymap editor, that you can use to edit the Amiga keymaps used by the Setmap command. Version 1.2, includes source in Oberon. Author: Christian Stiens FF666

**Koch Flakes** Using the preprocessor to organize your programming. Author: Paul Castonguay AC11

**KOE2** Three-turn demo of the strategy role-playing game Kingdoms of England II, where up to six human or computer players compete for nearly 200 territories of the old British Isles. Features excellent, scrolling, 64-color extra halfbrite graphics. Requires 1Mb minimum memory. Binary only. Author: Brian Vodnik and Realism Entertainment FF756

**Kprl** Another NEC-p6 intuition frontend to choose several print styles and add a title line on the top of the page. You can split your text files into their odd and even pages and print on both sides of the paper. Requires AmigaDOS 2.0. Version 2.0 includes source. Author: Koessi FF563

**Kryptor** A small, simple and comfortable file encoder/decoder. Version 1.0, with source. By Michael Balzer FF332

**Kurve** Kurve is yet another function plotting tool which provides a very fast and easy way of plotting and analysing mathematical functions. The integrated function compiler makes this plotter to be the fastest one you've ever seen. Version 2.001, compatible with Kickstart 2.0 and 3.0beta. Includes source in C. Author: Henning Rink FF778

**KwikBackUp** A harddisk backup program that writes data track by track onto multiple floppy disks. Uses the archive bit, saves and restores comments and protection flags, and skips over bad spots during restore. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**KwikCopy** A quick but nasty disk copy program: It ignores errors. Executable program, AM8

**L** is a replacement for the BCLP 'list' program, but with some graphics enhancements. FF105

**Label** Simple program to print labels with arbitrary text. Version 1.3, binary only, but source available from author. Author: Mike Hansen FF96

**Labeler** A label generation program for Epson compatible printers. Has both English and German versions. This is version 3.0, binary only, shareware, source available from author. Author: Siegfried Rings FF435

**LabelMaker** Allows you to create fancy, full sized, colored labels for 3.5" floppy disks. Version 1.5, includes source. Author: Stefan G. Boldorf FF548

**LabelPrint3.5** A program that allows you to easily print labels for your disks. Shareware, binary only (source available from author). Author: Andreas Krebs FF363, FF277, FF246, FF238, FF210

**Labels** Alphabetic and numeric ordered cross reference lists of defined system constants. Recommended for debugging purposes only, use the symbolic values in programs! Author: Olaf Seibert FF111

**LabyrinthIII** A shareware role-playing text adventure game similar in operation to the Infocom text adventures. Includes source. Author: Russell Wallace FF162, AC5

**LaceWB** The LaceWB program changes between interface and non-interface Workbench. Previously, you were forced to reboot after changing Preferences to an interlaced screen. This program flips between the normal and extended screen heights. AM25

**LanderGame** Lander 3DX is an X-Specs 3D Lunar Lander game. Maneuver your landing craft over a three dimensional fractal lunar landscape searching for a safe place to land. Watch your fuel, altitude, and slope of the surface beneath you. Fly your craft over, around, and behind the lunar peaks. Digitized sound. Two alternate lunar scenery files included. Requires X-Specs 3D glasses. Spectacular. Binary only. Author: Richard Horne FF544

**Landmine** A game of logic. A number of landmines are buried in the playing field and you need to work out where they are avoid them and clear the rest of the field to get maximum points and advance to the next level. Written in compiled AMOS requires 1Mb of memory or more. This is version 1.0 share-ware binary only. Full source available from author. Author: Perry Rosenboom FF554

**LandScape** A simple CAD program to aid in designing garden layouts. First the plan is laid out, placing lawns, paths, plants, etc., and the program then draws a '3D' picture of what the garden might look like in real life, from any viewpoint. Version 1.0, binary only. Author: Steve Goddard FF521

**Landscape** A fractal scenery generator written in AMOS and compiled so that it can be run from workbench. Features many user adjustable parameters such as height sea tree and snow levels beaches lighting angles and palette. 2D (contour map) and 3D rendering. Some example sets of parameters provided. Ability to render in 5 different resolutions so that fast (10 seconds) previewing of a scene is possible. Fully detailed scenes take about 30 minutes. Version 1.1 shareware (saves disabled) binary only. Requires 1 Meg. Full source code available from author. Author: Andrew Kreibich. FF554

**Larn** This disk contains a part of the popular UNIX game 'Larn', done by Edmund Burnette and the crew at the Software Distillery. This is version 12.0B. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form 'copy dfo: to dfl: all'. This insures that disk fragmentation is kept to a

minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named 'Larn'. I have elected to keep that name, rather than using the usual 'AmigaLibDiskXX' convention for disks in my library, to avoid requiring users to rename the disk before using it. Also note that, as distributed, this disk is only about 40% full. Normally I try to fill my library disks to about 90-95% full, but these 'packaged' disks are special.-Fred FF63

**LaserBoing** This ray-traced animation with sound is Mike's entry to the 1989 BADGE Killer Demo Contest. This 'Amiga Boing' ball is just loaded with energy! Binary only. By: Mike van der Sommen FF271

**LastRefuge** A fast action game, written entirely in assembler. Takes over the entire machine and loads off a special bootable disk. Uses lhwarp (included) to regenerate the bootable game disk. Binary only. Author: Carsten Tag FF728

**Lat3.03bugs** Text file lists bugs of Lattice C version 3.03. AM6

**latfip** Shows how to access the Motorola Fast Floating Point library from Lattice C. Also demonstrates the tremendous speedup obtained Author: Larry Hildenbrand FF1

**LatticeMain** Text file tips on fixing \_main.c in Lattice. AM8

**LatticeKref** A cross reference listing of all symbols defined in the Lattice 3.10 header files. Sorted alphabetically by symbol string, includes file name and line number of all references and/or definitions. Author: Fred Fish FF41

**Launch** Sample program showing how you can load and execute a program in the workbench environment, then return to the CLI. Includes source. By Peter da Silva FF179

**Lav** A 'title bar type' program that displays the number of tasks in the Amiga's run queue, averaged over the last minute, 5 minutes, and 15 minutes. Presumably inspired by, and named after, the BSD 'load average' program. By William Rucklidge FF54

**layers** Shows use of the layers library, used by Intuition to create windows (layers handles all overlapping drawing areas and keeps things straight, sending to the back, bringing to the front, making larger/smaller, etc.) Author: Rob Peck FF5

**layers.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**layers.c** Layers examples. C program. AM4

**LAZI** A graphic interface for the archive utilities Lharc Arc and Zoo. LAZI will add delete extract and update single or multiple files list and test archives allow you to read extracted readmes/docs or any other ascii file save a configuration file that holds the locations of your work directories archive utilities and its position when iconified. At least 1Mb of RAM is recommended. Binary only. Author: Mark W. Davis FF637, FF592

**LazyBench** LazyBench is a utility for lazy people with a hard disk crammed full of goodies which are difficult to reach because they are buried away in drawers inside drawers inside drawers inside drawers... Supports tools and projects and both OS 1.3 and OS 2.xx versions are supplied with this distribution. LazyBench for the OS 1.3 opens a little window on the WorkBench screen and delivers a fully configurable menu which brings up to 30 applications at your fingertips. LazyBench for the OS 2.xx adds an item under the Workbench 'Tools' menu, installs itself as a Commodity and waits in the background. Use its hot key combination to pop its window and then select an application from a list of up to 100 applications. Binary only. Author: Werther 'Mirco' Pirani FF839

**LBMI2Image** Takes an IFF picture and generates a C source module which can be compiled and linked with your program to display the picture with the intuition DrawImage function. Binary only. by: Denis Green FF190

**LCDCalc** Probably the prettiest looking four function (with memory) calculator ever written for the Amiga. Written in J-Forth. Version 1.023, binary only. Author: Mike Haas FF423

**Id** I presume this stands for 'list directory'. Lists contents of specified directory or disk, using inverse video and colors to group objects by type. Author: Dave Haynie FF10

**Id4** Another directory listing program using some graphics style output. Executable only, no source available. (Downloaded from a Denver BBS) Author: unknown FF12

**LDP** An ARexx compatible Laser Disc Player for RS-232 serial machines from Hitachi Pioneer and Sony. You can have a remote control on the screen and/or the program running to accept ARexx commands. The Hitachi drivers are untested. Works best with AmigaDOS 2.0. Version 1.31 includes source. Author: Ron M. Battle FF635

**LE-NAG** LeverEdge NAG is a program to remind you of events before you miss them. Events can be scheduled to occur once or repeat daily, weekly, monthly or yearly. You can be alerted of the event in a number of ways from a screen flash to a message requester. Version 93.03.03, an update to version 92.10.21 on disk 761. Shareware, binary only. Author: Craig M. Lever FF838, FF761, FF683

**Least** A small, handsome, text displayer that only supports those functions most frequently used. String searching is performed with the very fast Boyer-Moore algorithm. Also checks itself for link viruses. Runs from both WorkBench and CLI. Separate version LeastP also deals with powerpacked files. Has been tested under both Kickstart 1.3 and 2.0. Version 0.04, binary only. Author: Thorsten Koschinski FF800

**LedClock** An extremely simple clock program, for interlaced screens only. Includes source. Author: Ali Ozer FF128

**LeftyMouse** Swaps the functions of the left and right mouse buttons so that Lefties can use the mouse with their left hands. Includes source. Author: Rob Eisenhuth FF229

**LeftyMouse** Yet another LeftyMouse, this one implemented as a commodity. Swaps the left and right mousebutton for lefties. Requires AmigaOS 2.0. This is version 1.04. Includes german version and source in C. Author: Stefan

| Table of Contents                    |
|--------------------------------------|
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Sticht FF497

**Legends** Fantasy Characters in HIRES color FF72

**Leggi** A powerful ISO/ANSI text reader which strictly follows Commo-dore's application guidelines. Features include unlimited number of windows on any public screen, scrolling with both mouse and keys, full AUISG menus and ARexx commands, clip-board support, AppWindows, fast and residentable activator, full configurability of the keyboard, preferences file and editor to change preferences, background mode, and more. Version 2.0, binary only. Author: Sebastiano Vigna FF669

**Leggo My LOGO:** A Logo program that generates a Christmas tree with decorations. Author: Mike Morrison. AC7

**Lemacs** Microemacs version 3.6 as enhanced and supported by Daniel Lawrence. This version works and has been tested on UNIX V7, BSD 4.2, Amiga, MS-DOS, and VMS. Enhancements include overwrite mode, support for Amiga function keys, reverse video status line, numeric arguments using <ESC><number>, replace, buffer specific editing modes, word wrap mode, goto-line, buffer rename, insert-file, execute named command, describe bindings, startup files, and more. Author: Dave Conroy, enhancements by Daniel Lawrence FF22

**Lemmings** Demo version of an enchanting new game from Psychosis. The lemmings are cute little guys you have to guide across the screen from one level to the next, over and under and around various obstacles, by using your mouse and changing each lemming's characteristics to get them to perform various useful tasks such as building bridges or digging through obstacles. Binary only. Author: Dave Jones, Gary Timmons, Scott Johnston, and Brian Johnston FF453

**Lens** This program magnifies a small area surrounding the pointer and displays it in a separate window. Version 1.0, binary only Author: Ned Konz FF70

**Less** A port of a UNIX text file reader. It can use pipes, accepts multiple filenames, and has many convenient positioning com- mands for forward and backward movement, marking positions, etc. Includes source. Author: Mark Nudelman, port by Frank Busalacchi FF718

**Less** A text file reader, descended from Unix 'Less'. 'Less' has features found on no other Amiga file reader; it can use pipes, accepts multiple filenames, and has many convenient positioning commands for forward and backward movement, marking positions, etc. This version runs on all Amigas, under any screen resolution and font, and uses the full 8-bit character set. Other improvements include seaches using regular expressions, multiple file selection from Workbench, and resident operation. This is version 1.4Z, an update to version 1.3 on disk 149. Includes source. Author: Ray Zaring et. al. FF511, FF149, FF92, FF74, FF34

**Lex** A program (not to be confused with the UNIX lex program which is a lexical analyzer generator) which computes various readability metrics for text files. Computes Gunning-Fog, Flesh, and Kincaid indices. Author: Jeff Sullivan FF36

**Lexical** Analyzes a text file and gives the Gunning-Fog, Flesh, and Kincaid indices which measure readability. AM26

**LGZ** A Map generator/editor for the LGZ game. Not extremely useful if you don't happen to play that game, but good source example of intuition interfacing. Vesion 0.1. Authors: Lars and Henrik Clausen FF161

**LhA** A very fast archiver that is compatible with MS-DOS- LhArc V1.13 and LhA V2.13, as well as the Amiga LhArc. LhA is very memory efficient, has been written with stability and reliability in mind, has carefully optimized compression and decompression routines, is multitasking reentrant and pure, handles multiple volume archives (registered version only), and more. Shareware, binary only. Author: Stefan Boberg FF715, FF637, FF593, FF577

**LhArc** An archive program like Arc and Zoo, with a heavy emphasis maximum compression for minimum archive size, using LZHUF compression. This is version 1.30, an update to version 1.21 on disk 383. Binary only. Author: Paolo Zibetti FF404, FF383, FF312, FF289

**LhArcA** An intuitionized and faster version of lharc for the Amiga. Requires ARP library. Version 0.99a, binary only. By Haruyasu Yoshizaki, Amiga version by Stefan Boberg FF331

**LHCon** A program that will convert Arc and Zoo formatted archives to LhArc format. This will save precious disk space. LHCon will do single files or entire directories. It also has the capability to preserve the comment field of the file for BBS programs that require it and for the individuals who label their programs in that manner. Version 1.01. Binary only. Author: Steve Robbins and Bill Huff FF507

**LhLib** A shared reentrant Amiga runtime library featuring highly optimized assembly language versions of the LhArc data compression / decompression routines. Compresses faster and more efficiently than any other currently available implementation of the Lzhuf algorithm. Two example appli- cations for data compression/ decompression, an interface to the Amiga Oberon Compiler, and documentation how to use the library in your own programs are included. This is version 1.8, binary only. Authors: Holger P. Krekel and Olaf 'Olsen' Barthel FF436

**Lhwarp** A program which will read tracks directly from your floppy disk, compress them using adaptive Huffman encoding, and output them to a file. The resulting file can be used by lhwarp to reconstruct an image of the original disk. This is version 1.20. New features include much faster compression/decompression, a 32-bit CRC, and two additional compression methods. Binary only. Author: Jonathan Forbes FF305, FF245

**LibDir** This program lists hunks in an object file. Executable program and documentation. AM8

**Library** Demo version of a shareware program that stores

textual information without regard to structure or content, and allows complicated searching for specific patterns. Written in assembler for speed, binary only. Author: Bill Brownson FF134

**Library** HIRES B&W picture of an traditional structure FF72

**LibraryKiller** A small utility that allows you to remove libraries that aren't used any more. Version 1.0, includes source in assembly. Author: Roger Fischlin FF383

**LIBREF** Utility for generating run-time library link library assemblies files, lvo.asm, and the run-time library's vector list. Currently very Aztec in terms of what it generates. FF168 & 169

**LIBS V1.00** List libraries/devices in ram or attempt to remove libraries. FF168 & 169

**LibTool** A utility that can quickly convert C or assembly code into an Amiga shared library. Also makes all support files including C and assembly include files, bmap files, Manx and Lattice programs, C glue stubs. Can also make a device. Binary only. Author: Jeff Galt FF463, FF393

**License** License information on Workbench distribution. AM4

**Life** Another version of Tomas's Life game. Features include wrapping the screen as in a torus, independent setting of the horizontal and vertical resolutions, computing only a specific number of generations, redisplay only every N generations, a macro language to set up initial generations, and more. Works with horizontal resolutions up to 262,112 pixels and vertical resolutions up to 65,535 pixels. This is version 6.1, an update to version 5.0 on disk 316. Includes source. Author: Tomas Rokicki FF837, FF316, FF306, FF131, FF31, AM9

**Life-3D** A 3D version of the classic cellular-automaton game. Shareware, author suggests \$20 donation. Version 1.2, binary only. Author: Bob Benedict FF70, AM18

**LifeCycles** Some sort of biorhythm type program. No docs included. V2.0, binary only. By: Michal Todorovic FF325

**LightA** version of the Tron light-cycle video game. AM15

**Lighthouse** A lighthouse in an IFF picture. AM6

**Lila** A shareware utility that allows you to print listings or other text files on Postscript printers, with header, page numbers, and multicolumn pages. Can print in portrait or landscape orientation. This is version 9004b, an update to version 8912a on disk 368, binary only. Author: Bertrand Gros FF414, FF368

**Line** A shell written to enhance the bare-bones CLI with features that many people find useful in the UNIX csh, including history, aliases, a directory stack, etc. Version 1.15, includes source. Author: John D. Aycock FF457

**LineDrawer** Makes a line drawing based on drawing commands stored in a text file with a demo that draws an outline map of the USA and state borders. V1.0, with source By John Olsen FF96

**Lines** A color line pattern generator, adapted from Mackie. Version 1.1, includes source. Author: Joel Swank FF304

**Lines** A line drawing demo program, reminiscent of the 'sparks' program on disk #9. Author: Paul Jatkowski FF41

**LinesDemo** A demo program which illustrates the use of proportional gadgets to scroll around in a superbitmap window. Posted to Usenet by Barry Whitebook @ Commodore-Amiga MemExpansion Schematics and directions for building your own home brew 1 Mb memory expansion. By: Michael Fellinger FF27

**LinkSound** Two examples of functions that you can link with your own code to produce a short musical 'beep' or a sound that is similar to striking a drum. Includes source. Author: Dieter Bruns FF323

**Linstrom** Some miscellaneous small programs from the Linstrom family. Includes some basic games, some programs based on algorithms from the Computer Recreations column in Scientific American (demon, turntles, mountain), and a fish tank simulator. Includes source. Author: Lloyd Linstrom and family FF251

**LISA** A program for drawing Lissajous pictures. With full intuition support and WB2.0 design (even under 1.3). Different versions for 1.3 and 2.0. This is version 1.10 an update to v1.01 from disk 584 (WizardWorks 2). Freeware. Binary only. Author: Stefan Zeiger FF636

**List INSTR** Program to list the instruments DMCS will not load as well as list the origins for any instrument. AM23

**Lister** Program to display information about files in various types of archives, such as arc, cpio, Iharc, tar, zip, and zoo. Includes source. Author: Kerry Cianos and Geoffrey Faivre-Malloy FF527, FF518

**ListPlot** A 2D plotting program built around the PLPLOT plotting library. Its principle advantage is that it supports a variety of graphics devices. By default, output is sent to a window on the Amiga's screen. Through command line options, the graph can be sent to any preferences printer with graphics capability, stored as an IFF file, stored in HPGL format, stored in Aegis Draw format, or stored as an Encapsulated Postscript File. A variety of line styles and colors are available. Includes source. Author: Frederick R. Bartram and Anthony M. Richardson FF391

**ListScanner** A nice little utility to display all the Exec lists. Somewhat like the Xplor utility from FF73. Includes source in assembler. Author: Heiko Rath FF139

**ListWindow** Gives simple initialization, handling, and freeing of Macintosh-like list-windows. These are user-sizeable windows with a scrollable list of text strings, optionally sortable. The list can be scrolled with a scroll-bar, up and down arrows, arrow keys, or a SHIFT-key combination which searches for the first occurrence of the specified key. Source and a sample program included. Author: Paul Thomas Miller FF368

**Lit** Lit filters a file to stdout, showing all characters in an unambiguous format. Printable characters are printed as is, non-printable characters are printed in any of three representation formats. Version 2.0, includes source. By: Donald Irving FF73

**Little Smalltalk** It is a port of Timothy Budd's Little Smalltalk system, done by Bill Kinnersley at Washington State

University. I filtered all the text files in the sources, docs, and examples directories through a program to remove extraneous CR (^M) characters from the end of each line. This also makes the files conform to standard Amiga and UNIX line delimiter conventions. I hope this didn't break anything else in the process. I have added the file sources/ Makefile to help people who want to recompile the sources. It uses my cfrontend. I was able to compile and link an executable that was almost the same size as the one Bill provided (100 bytes smaller) using Manx 3.20B in 16-bit int mode, but it aborted immediately with an error message, so beware. -Fred. FF37

**LittleBoulder** A 'Pick'n Run' Action-game, which contains eight different levels to be completed within a certain time limit. This is version 1.0, binary only. Author: Carsten Magerkurth FF709

**LJP** A program to print text files on an HP LaserJet printer. Supports landscape or portrait modes, use of any built-in font, automatic downloading of soft fonts, extremely fast printing, one or two logical pages on a single paper, multiple styles of page headers, adjustable page length and width, user specified pitch and point of a font, selectable margins and tab spacing, multiple copies, optional line numbers, and more. Version 1.01, binary only. Author: Khalid Aldoseni FF418

**Lamatron** A fast original rendering of the eighties 'Robotron' by Williams. It features over 100 levels sampled sound single player mode 2-player team and individual modes droid-sidekick modes 2-joystick console mode dozens of different weird enemies and an abstract sense of humor. Includes two versions a 512K version and a 1Mb version with better samples. This is version 1.0 an update to the copy on disk 541 which was also version 1.0 but was missing the 512K version file. Shareware binary only. Author: Jeff Minter FF580, FF541

**ListA** 'list' type program that displays type of file. Many types of files included, and ability to extract information from other file types for recognition. Standard Amiga Wildcards supported. Binary only. Author: Nic Wilson FF501

**LLSort** Replacement for the AmigaDOS SORT command. Pure bit set and may be made resident. Features COLSTART and FIELDS parameters and sorts in either ascending/descending order. Also sorts with or without case sensitivity. Binary only. Author: Les Leist FF379

**Lmv** This shareware program, submitted by the author, is called 'Long Movie'. It loads up to 100 IFF graphics files and displays them in forward or reverse order, at up to 19 frames per second, to create computer animations for VCR recording. Binary only, source available from author. Author: Jim Webster FF73

**LoadImage** An IFF ILBM reader that accepts overscanned pictures, allows you to scroll around in the bitmap if the picture is larger than the current display, works on both PAL and NTSC machines, supports color cycling using interrupt code, and supports printing of image portions. Author: Olaf Barthel FF355, FF281

**LoadIt** prog to load a file into memory until a reboot. (Only the most esoteric hackers will find LoadIt useful.) AM24

**LoadLib** Another LoadLib program, but this version take unlimited number of arguments in both CLI/WB and remove the quote (") so it can work in Browser! at any time. Pure so you can put it in your resident list. Version 1.0, includes source in C. Author: Sylvain Rougier FF649

**LoadLibrary** Another LoadLib program, but this version runs in it's own task, and uses the reqtools.library for multiselection and other user friendly file handling. All installed LoadLib libraries can also be removed from the system. Supports the locale.library and Amiga-Guide. Freeware, binary only. Author: Nils 'Jon' G6rs FF818, FF743

**LoadSpy** A small System-Patch for the Dos.Library. It writes itself to the LoadSeg-Routine, displaying information about program names and load addresses from all files loaded with the LoadSeg routine. Requires OS2.0, version 1.0, binary only. Author: Michael Bialas FF769

**LoanCalc** Keyboard and mouse driven mortgage utility. Although similar programs exist, this one is unique in that it is designed to track 'Open' mortgages that allow any size payment to be made at any time, as well as providing a printed amortization table for fixed mortgages with monthly, semi-monthly, bi-weekly and weekly payment schedules. This is version 1.4, an update to version 1.2 on disk 366. Binary only. Author: Robert Bromley FF492, FF366

**LockDevice** A package to protect filing devices from being accidentally formatted. Can be used with any filing device and file system. Version 1.0, includes source. Author: Olaf Barthel FF371

**LockIt** A simple commodity to protect files or drawers from any access. Uses a WorkBench Appicon and allows selection of files via ASLRequester. Requires OS2.0. Version 2.1, binary only. Author: Andreas Linnemann FF798

**LockMon** Find file locks. Useful for discovering if programs properly clean up after themselves. Author: Dewi Williams FF19

**Logic** A small game that is somewhat reminiscent of 'life'. Version 2.0, Includes source in assembly. Author: Thomas Jansen FF461

**LogMan** The Log Manager allows you to manipulate your log files to a greater degree than other log managers. LogMan operates on a personalized script file. You can insert a call to LogMan in your startup-sequence or in your 'mail' script. LogMan will call the script and check certain parameters. Requires kickstart 1.3 or 2.0 to operate. Version 1.003, freeware, binary only. Author: Bob Rye FF749

**Logo** A logo interpreter, with user interface like the Apple II logo. Shareware, author suggests \$5 donation. Author: Gerald Owens FF70, AM18

# Freely Redistributable Software

**LollypopLady** Famous Lady with lollypop picture which caused so many people to purchase the Amiga for its graphics. An IFF picture. AM7

**LongPlay** An 8SVX IFF sound file player. Reads samples directly from disk while playing, allowing unlimited length samples. Runs as a background task and multi-tasks well. Can also be used as the default tool of a project icon. Binary only. Author: Joe Tatman FF713

**LookA** powerful program for creating and showing disk magazines. Supports IFF pictures, IFF brushes, ANSI, fonts, PowerPacker, and many more features. Programmed in assembly language to be small and fast. German language only. Shareware, binary only. Author: André Vogt. FF816, FF808, FF743

**LookFor** A general 'find that file' utility which is handy for hard drives, multiple drives, and multilayered paths. Includes source. Author: Mark Schretlen FF274

**Loom** Simulation of an eight harness loom. Supports 15 colors for warp and weft threads. Scalable display. Patterns created can be printed in draft format or saved as IFF files. Version 1.00, binary only. Author: Martin C. Kees FF516

**LoranNotebook** A database for storing searching and printing loran numbers. Store Lats/Lons TDs Waypoints Dapths State County Comments and Quick Comments. Search by any category and numbers can be searched with a margin of error. Prints as text only or as a graphic. Select sites on the plot screen by lassoing them. Version 2.0 includes a lon/lat scale on the plot screen better zooming and accurate land areas via the World Database II (included) and/or user drawn. You can now show and edit land on your plots by drawing it in or by making a list of lat/lon points. A small sample database is included. Version 2.0 binary only. Author: Allen Maroney FF626

**LordOfHosts** A strategy game for two players based on a board game called 'Shogun'. Features include flexible mouse/joystick controls, undo and redo of up to 500 preceding steps, fully intuition-ized user interface. Version 1.0, complete source code, precompiled include files and debugger files included. Author: Tim Pietzcker FF488

**Lothian** Legend of Lothian is an adventure game in the vein of the Ultima game series. It was originally featured in the Sep 91 issue of the Jumpdisk Amiga disk magazine. You play the role of a humble shepherd who is summoned to a perilous task when your country's king is bewitched. You must set out in a dangerous land to find the clues that will enable you to revive your king and save your land. Includes colorful graphics hordes of monsters to combat helpful citizens to converse with and puzzles to solve. Version 1.02 binary only. Author: David Meny FF628

**Lotto** Lotto is designed to replace your user group's old shoebox full of membership numbers and names and add some pizzaz to the process of drawing for doorprizes at club meetings. Includes source. Author: Mike Groshart FF262

**Lotto** Small lotto number selector with C source. Author: Timm Martin FF430

**LoveMice** A short form of the Mice In Love algorithm published in Scientific American (Spektrum der Wissenschaft). Version 1.0, includes source. Author: Guido Wegener FF660

**LowMem** Another fine freely redistributable product from ASDG. This one is a low memory server, which is a compact shared library which allows arbitrary processes to register their desire to be notified of impending memory shortages. This allows good citizen programs to free up memory that they may not need, so other programs can use it. Binary only. By Perry Kivolowitz FF85

**Loz** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**LPatch** Patch for programs, such as 'Atom', with bad 1.0 Lstartup code, which abort during startup under 1.2 with 00380007 alert (can't open DOS library). Includes source. Author: Carolyn Schepner FF61

**LPE** LaTeX Picture Editor is a graphical editor for producing 'pictures' for the LaTeX system, which may be imported by LaTeX. You can draw boxes, dashed boxes, lines, vectors, circles, boxes with centered text, and plain text. This is version 1.1, an update to version 1.0 on disk 243, and includes some new drawing tools, enhanced user interface features, optimized code, and some bug fixes. Binary only. Author: Joerg Geissler FF277, FF243

**Ls** An update based wholly but loosely to the version 3.1 of Ls on disk number 236 by Justin McCormick. Includes many enhancements and bug fixes. Ls is a popular, UNIX style directory lister. This version features intelligent columnar listing, versatile sort options, UNIX-style pattern matching, recursive subdirectory listing, customized output formatting and much more! Version 4.71j, requires at least OS 2.04, includes source. Author: Loren J. Ritttle. FF773, FF236, FF178

**Is Minimal** Implementation of UNIX ls. Demonstrates use of UNIX style file name pattern matching code. Author: Rick Schaeffer FF10

**Lslabel** A simple label printing utility. Very powerful as the user can/must do a lot of settings by himself. Features include variable linefeeds (in 1/216 inch steps) between 21 independent lines and freely configurable printer codes. Author: Stefan Berendes FF759, FF586, FF478

**LunaA** small program that will display the time and date of the phases of the moon for a month in any year from 1900 to 3000 AD. If a lunar eclipse occurs in that month, its time and date will also be displayed. It has an easy to use GUI and works under OS 1.3 and 2.x.x. Version 1.0, freeware, binary only. Author: Mike Fuller FF801

**LVD** A first defense utility against file and linkviruses. It patches the LoadSeg vector(s) and checks every executable that comes along. Recognizes 33 file or so linkviruses. Binary only. Author: Peter Stuer FF703,

FF641, FF554

**LVR** Link Virus Remover. A program that recursively searches directories for link viruses in executable files. This is version 1.20, binary only. By: Pieter van Leuven FF331

**Lyapunovia** A mindboggingly colorful program that makes pictures from a simple mathematical formula. (And it's NOT Mandelbrot!) Lyapunovia pictures vary from colorful candy to mean metal (or something), offering you everything you ever wanted in visual representation of abstract nothings... This freely redistributable version of Lyapunovia has been thoroughly tested to work on all Amigas. Special registered versions with precision-extension, optimized for bigger CPUs, and support of WB 2.0/2.1 and WB 3.0 displaymodes (all 256 colors) are available. Version 1.0, binary only. Author: Jesper Juul FF784

**Lz** An Iharc compatible archiver that is reported to be much faster than other available archivers and produce smaller archives. Version 1.01, shareware, binary only. Author: Jonathan Forbes FF465

**M2Amiga** Demo version of the final product M2Amiga. A fast single pass Modula-2 compiler with editor, linker, a small set of interface and standard libraries. Compiles only small demo programs by limiting codesize and imports. Further development of the ETHZ compiler on FF24. Binary only. Demos with source. By R. Degen, C. Nieder, M. Schaub, J. Straube (AMSoft) FF113

**M2Error** M2error can be used to display compile errors produced by the TDI Modula-2 compiler, like the m2error supplied by TDI. Includes source. Author: Richie Bielak FF79

**M2Icons** New icons for the M2Amiga System. Includes a script for easy installation. Author: Robert Brandner FF549

**M2Midi** A Modula-2 interface to Bill Barton's v2.0 'midi.library'. This is version 1.03. Includes source in Modula-2. Author: Jürgen Zimmermann FF563

**M2Pascal** A simple Modula-2 to Pascal translator. You can write simple programs on your Amiga using one of the available Modula-2 compilers, and then use this translator to generate Pascal source for export to other systems with Pascal compilers. Version 1.0, includes source in Modula-2. Author: Greg Mumm FF512

**M2Utils** Various source modules for Benchmark Modula-2. Includes ColorReq, an interface to the Dissidents color.library; IFFLib, an interface to Christian Webers Iff.library; and ARP, an interface to ARP V1.3. Author: Sascha Wildner FF439

**M4** A UNIX M4 look-alike macro processor intended as a front end for Ratfor, Pascal, and other languages that do not have a built-in macro processing capability. Pd M4 reads standard input, the processed text is written on the standard output. By Ozan S. Yigit (oz) FF160

**MacFont** A conversion tool to convert Mac fonts to Amiga fonts. Binary only. Author: John O'Neill and Rico Mariani FF138

**MachII** A 'mouse accelerator' program that also includes hotkeys, the features of sun mouse, clicktofont, popcli, title bar clock with a bbs online charge accumulator, and more. This is version 2.6, an update to version 2.4c on FF163. Binary only. Author: Brian Moats FF254, FF163, FF130

**MachIII** A mouse accelerator program that also includes hotkeys, features of sun mouse, clicktofont, popcli, title bar clock with a bbs online charge accumulator, Arexx support and much more. Updates for Workbench 2.0 have been added along with many fixes and new features. Binary only. Author: Brian Moats and Polyglot software FF471, FF378

**MachineA** neat new animation from Allen Hastings. Author: Allen Hastings FF109

**MachIV** A macro/hotkey program that also includes features of sun mouse clicktofont popcli clipboard viewer title bar clock and much more. Each program or window may have its own hotkeys and other settings. Requires 2.x. Binary only. Author: Brian Moats FF624

**MacKie** A versatile cli/macro-key initiator based on POPCLI with a unique method of screen-blanking. I won't say more, just try it! This is version 1.4. Includes fixes to work with latest WShell and the new 'never' keyword. Includes source. Author: Tomas Rokicki FF305, FF267, FF189, FF187, FF161, FF130

**Macro** A small utility that records a sequence of keypresses that can be recalled at any time. Handy for 'on the fly' recording because of its simplicity. (Doesn't need a window, doesn't use the functions keys, so it won't interfere with other uses of them, etc.) Version 1.0, includes source. Author: Piero Filippini FF786

**macros.I** Assembler include files. AM5

**MacView** Allows viewing of standard MacPaint picture files in either Amiga low resolution (320 x 200) or high resolution (640 x400). Executable, sample pictures, and icons (version on disk 32 did not include pictures). Author: Scott Evernden FF35, FF32

**MadBlanker** A cute screen blanker that bounces a transparent rectangle around on the screen, like a theater spotlight, with configurable options which include size and whether or not you want the rectangle to change size. Version 2.0, includes source. Author: K. Mardam-Bey FF406

**madlibA** mad lib story generator in AmigaBASIC. AM11

**MagicNoises** A MED module package including: Happy Hour, Magic Voices, Take it slow, Terminator II. Author: Lars Röjberg FF811

**MagIcon** A program which takes 'fake' icons dropped on the Appicon and turns them into 'real' icons. The program also supports a Tools-menu entry so 'fake' icons spread over several windows can be easily iconified. Support for 38 file formats and the appropriate icons are included. Requires Kickstart 2.0 or higher. This is version 1.0, binary only. Author: Oystein Larsen, Ultima Thule Software FF725

**Magnetic\_Pages** A software package that allows you to create and display a disk-based magazine. The magazine produced is of a similar format to that of a traditional paper magazine. You can combine text and graphics on a single page, branch to different sections by clicking on icons and play sound and music. Features a full intuition driven interface. Version 1.0, shareware, binary only. Author: Mark Gladding FF372

**MagPages** A software package that allows you to create and display a disk-based magazine. The magazine produced is of a similar format to that of a traditional paper magazine. You can combine text and graphics on a single page, branch to different sections by clicking on icons and play sound and music. Features a full intuition driven interface. Shareware, binary only. Author: Mark Gladding FF684, FF372

**Mailchk** A mail client for Dnet, which will inform you of any new mail and will give the choice of viewing, deleting, or printing a message. Version 2.01, includes source. Author: Stephane Laroche FF324

**MailMerge** A utility to perform simple mail merge using the LaTeX letter style. Simply requires a letter in .tex format and a file of addresses. Each of these is inserted in turn into the .tex file which is run through LaTeX and then through the printer driver. Version 1.0 includes C source. Author: Andrew Martin SciTech Software FF599

**mailtalk** A talking mailing list program in AmigaBASIC. AM11

**MAK** The Mandelbrot Adventure Kit is a nicely done mandelbrot generator with full source code (about 18,000 lines of C code). Includes some sample images along with the parameters used to generate them, and lots of built-in help screens. Author: Steven Dillon FF522

**Make** A simple 'make' programming utility, C program in C source code and executable. AM2

**Make** Another version of make that seems to be more complete than many other PD makes. Author: Unknown, downloaded from the Software Distillery FF45

**Make** Public domain make from mod.sources, Volume 7, number 91. It has been cleaned up, Man'x'ified, and some new features added, by Steve Walton. Includes source. Author: 'caret@fairlight.OZ' FF69

**make** Subset of 'UNIX' make command. Useful, but does not have many of the features of the full make, much less the newer 'augmented make' Author: Landon Dyer FF2

**make2** Another make subset command. By Marc Mengel FF2

**MakeDMake** An automated DMake file generator. You give it the names of all the C-files used to produce your executable (except #include'd .c or .h files), and it will automatically scan them to find all dependencies, and produce a ready to use (in many cases) DMakeFile calling DCC with options you will need for normal compilation and linking. Includes source. Author: Piotr Obminski, from original code by Tim McGrath FF810, FF789

**Makelcon** A command line utility for creating quick icons for programs that don't have icons. (Not related to Makelcon on disk 255). Version 1.1 includes source. Author: Daniel Kocsis FF623

**Makelcon** Allows you to create any of the Workbench 2.0 default icons for anything, disks, projects, drawers, the works. Designed for people who work from the shell making disks that will ultimately run from the Workbench. Requires Workbench 2.0. Binary only. Author: Robert Lang FF719

**Makelcon** This program will make an icon (.info file) using image data from either another icon, or an IFF picture file. The image data is drawn on the screen so you can see exactly what your icon will look like. You can also go the other way, and make IFF files from icons, which can then be loaded into a standard IFF graphics editor. Version 1.1, binary only, source available from author. Author: Paul Blum FF255

**Makelcons** Utility that uses selected icons as templates to create new icons for files that don't have them. It can also revise existing icons giving them new images tooltypes or positions. It will operate on all icons in a disk or drawer (the user decides whether it will operate recursively or not) or the user can identify specific icons for revision. Unlike the pseudo icons shown by Workbench 2.0 Makelcons creates real icons complete with tooltypes stack size and so forth. Version 1.0 shareware binary only. Author: Fabbian G. Dufoe III FF630

**MakeInfo** A modified GNU makeinfo that allows you to easily create a AmigaGuide(R) hypertext file from a Texinfo .tex file, in addition to the usual plain ASCII file and a TeX .dvi files. This version fixes two nasty bugs: makeinfo working on 68030 machines only, and amiga.tex not handling correctly all foreign characters. Version 1.49b, includes source. Author: FSF, amiga enhancements by Reinhard Spisser and Sebastiano Vigna FF787

**MakeLink** A replacement for the original AmigaDOS 2.0 MakeLink command. Supports both hard and soft links. Residentable. This is version 1.1, includes source. Author: Stefan Becker FF677

**Makemake** Reads C source files and constructs a vanilla makefile in the current directory. Includes source. By Tim McGrathm FF74

**Makewords** PhoneWord takes a full or partial telephone number and attempts to create a word from the various alphabedigit combinations. Unjumble may useful in solving the Sunday morning newspaper Scramble. Includes source. Author: Ron Charlton FF366

**MallocTest** A malloc/free test program that allocates and frees randomly sized pieces of memory with random lifetimes, and fills them with patterns that can be checked for corruption. Useful for beating on your vendor supplied memory management routines, or possibly as a poor man's memory test program. Includes source. Author: Neil Webber FF66

**MambaMove** A game with the goal of moving an apple

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

eating snake inside four walls until an exit appears. Includes source. Author: Stefan G. Boldorf FF548

**Man** A program similar to the UNIX 'man' program. Displays information about a topic from manual pages. Does not include any database of topics, you have to supply your own. Version 1.2, includes source. Author: Garry Glendown FF241

**MandalaA** mandala graphic program with sound, sort of Eastern music. Binary only. Author: Unknown FF67

**MandAnim** A Mandelbrot Animation program that allows you to easily generate series of lo-res/16-color pictures. Features full mouse and/or keyboard operation, zooms, auto-save, high (+cheat) speed, iconization, preview, ease, etc. The generated pictures all remember their positions and settings so they can be reloaded. Binary only. Author: Ekke Verheul. FF461, FF387

**Mandel** Another mandelbrot generator program, with bits and pieces of code from C. Heath and R.J. Mical. This is V1.3, an update to FF111. New features and improvements include an AReXX interface, coordinates in sight, more state info saved with a picture, batch files, programmable functions, and more plotting options. Includes source. Author: Olaf Seibert FF218, FF111

**Mandel** Mandelbrot set program, C code and executable. AM1

**mandel** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**MandelBlitz** Very fast Mandelbrot plotter with lots of handy functions such as color cycling, zoom, special palette control, file requestors and more. Version 1.0, binary only Author: Nico Francois FF387

**Mandelbrot A** fast Mandelbrot rendering program that uses some of the mathematical properties of the Mandelbrot set to greatly reduce the drawing time. Demonstrates graphics programming, assembly language, menus and IFF file I/O. Standalone image with source code. Author: Nick Didkovsky FF239

**Mandelbrot Latest** and greatest mandelbrot program. Features include the ability to save images in 'IFF' format, for reading into Deluxe Paint or other programs that use IFF. Also includes code from GraphiCraft to handle color palette and change colors at will. Many additions by RJ Mical. Version 3.00 Author: Robert French FF31, FF5, FF4

**Mandelbrot Set Explorer** This is a copy of Thomas Wilcox's Mandelbrot Set Explorer disk. To run from CLI: 1) cd dX: (where X is drive containing disk)=2) mse. To run from Workbench: 1) Click on MSD icon. It contains extensive on-line help information, unlike other Mandelbrot programs distributed in this library. It also is capable of displaying some very pretty hi-res pictures in interface mode. FF21

**MandelBrots** Some mandelbrot images submitted for the 'mandelbrot images contest' some months ago. Only three people submitted mandelbrots and these were among the most interesting. FF20

**MandelMountains** A program that renders three-dimensional images of bluwups of the Mandelbrot set. Includes several example images. This is version 2.1, an update to version 2.0 on disk 354. The most significant enhancement for this version is that is two to three times faster due to inclusion of a specially tuned fixed point arithmetic package. Shareware, binary only. Author: Mathias Ortmann FF383, FF354, FF295

**MandelPAUG** A version of MandFXP with complete online help, a fully implemented Mandelbrot and Julia set 'movie mode', and many improvements in the user interface. Version 2.1, binary only, source available. Author: Bruce Dawson, Steve Larocque, Jerry Hedden FF452

**MandelSquare** Yet another program to generate images from the Mandelbrot set, different from most implementations in that it runs only under AmigaOS 2.x, requires an '020/030/040 CPU and a numerical coprocessor. The calculation routines were written in '88 assembly language for maximum speed and precision. Also included is a 'movie mode' which allows generation of long camera zooms to spots in the Mandelbrot set. The resulting animations can be saved in ANIM-opt-5 format, allowing to replay them using 'MandelSquare' or standard animation software. Enhancements include support for the AGA chipset (now you can finally create images in 256 colours!) and several bug fixes and improvements in the image and animation creation code. This is version 1.6, an update to version 1.3 on disk 589. Includes source in C and assembly language. Author: Olaf 'Olsen' Barthel FF835, FF588

**MandelVroom** A Mandelbrot/Julia-curve generating program that features five numerical generators (integer, ffp, ieee, 020, and 020/881) in hand-crafted assembly for maximum speed, online mouse selectable help for all functions, generation of multiple pictures simultaneously, a sophisticated user interface with shaded gadgets, etc. Some of the other features include zoom, magnify, color-cycling, contouring, auto-contouring, histogram, statistics, presets, extra-halfbrite support, overscan, orbits, pan mode, and more. Requires 1Mb or more of memory. Source is available on FF214. A compiled binary, along with help files and example images, can be found on FF215. by: Kevin Clague FF215 & 214, FF78

**mandelbrot** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**mandrill** A gorilla in an IFF picture. AM6

**MarbleMadness.plc** A screen from Marble Madness. AM6

**MarbleSlide** The aim of this game is to build a slide on a 10 x 11 board of pieces that move around, allowing the marble to reach the goal piece. You play against time. Also includes a board editor to build custom boards. Binary only. By: Peter Handel FF283

**Marge** A simple CLI utility to add a specified number of

spaces or tabs to the left side of every line in a file.

Includes source. Author: Joel Swank FF177

**Marlin** HIRES BW collection of M. Monroe FF72

**marimba** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Marketroid** Marketroid is Leo's entry for the Badge Killer Demo Contest. It is another devious sprite oriented demo with lots of 'in' jokes. 512K required. Includes source. By: Leo Schwab FF115

**Martian** The Bugs Bunny Martian in an IFF picture. AM6

**MAssign** A little command to make 'M'ultiple assigns. Allows you to remove all assign and makdir statements from your startup- sequence. For use with KickStart 2.0 only. Version 2.00, binary only. Author: Peter Stuer FF703

**Mat** A comprehensive String-Search/Pattern-Match Utility for both text files and directories. A powerful command line syntax allows automatic file editing, construction of command scripts, and so on. Example Shell scripts are included. Binary only (a much enhanced version of the original on Disk #102). Author: Pete Goodeve. FF374

**Match-stuff** Heavy duty text pattern matching stuff. The pattern syntax is an extension of standard AmigaDOS filename matching. Also includes some simply matched - text replacement capability. Includes source. Author: Pete Goodeve FF102

**MatchPlay** A small CLI program that enables experimenting with AmigaDOS pattern matching. It's the best way to learn how to use and interpret those patterns. You give a pattern and a string as arguments and the program determines if the pattern would have matched the string. Requires OS2.x, version 1.00, binary only. Author: Chris Vandierendonck FF788

**mathfp.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**mathleedoudubas.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**mathleeesingbas.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**MathPlot** A function plotter with lin/flog plot, a complete KS 2.0 interface, and AReXX support. Needs Kickstart/ WorkBench 2.0 and mtol.library (included). Version 2.01, an update to version 1.04 on disk 573. Shareware, source available from author. Author: Ruediger Dreier FF849, FF573

**MathsAdv** A simple game where you, the young adventurer, must try to escape the king's Maths Adventure. To do this you must pass through a series of rooms. In each room you are given a math problem to solve, after which you can proceed to the next room if you answer correctly. The problems become more involved and more difficult in each room. includes source. Author: Jason Lowe FF713, FF602

**Mathtrans** A very small library which replaces the mathtrans.library distributed by Commodore-Amiga, for those who own an MC68881/82 floating point unit. Calculation speed of some functions is increased up to 15 times. Version 1.1, includes source. Author: Heiner Huckstadt FF319

**mathtrans.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Matlab** A FORTRAN package (MATRIX LABORATORY) developed by Argonne National Laboratories for in house use. It provides comprehensive vector and tensor operations in a package which may be programmed either through a macro language or through execution of script files. Supported functions include sin, cos, tan, arctangents, upper triangular, lower triangular, determinants, matrix multiplication, identity, hilbert matrices, eigenvalues, eigenvectors, matrix roots, matrix products, inversion, and more. Amiga specific features include workbench startup, polar plots, contour plots, enhanced plot buffer control, and algorithmic plot display generation. Includes source in FORTRAN. Author: Jim Locker, Cleve Moler, Mike Broida FF499, FF287

**MatLabPatch** Patches for both Matlab and Diglib on disk 499. The version of Diglib compiled for 68000 machines has some incorrectly compiled modules (compiled for 68020) and therefore causes crashes on 68000 machines. The Plot.sub module compiled for 68000 machines in the Matlab archive was linked using the incorrect Diglib and does not run on 68000 machines. This update provides correctly compiled replacements for both those files. Author: Jim Locker FF538

**Matrix** Solves systems of linear equations. Includes both PAL and NTSC versions. Version 1.00, includes source. Author: Rudiger Dreier FF376

**Maze** A couple of very nice demoes for the creation and use of single-solution mazes, one of which is practically a stand-alone game. Includes source. Author: Werner Gunther FF171

**MazeAn** example of a fully re-entrant maze generation program written in assembly language using Manx's assembler. Includes source. Author: Michael Sinz FF248, FF218

**MBPress** A command that will detect which mouse buttons (including middle) are currently being pressed. The result can then be used to decide a course of action in a script file. Handy for your startup-sequence. Requires 2.04. Includes source. Author: Steve Anderson FF602

**MC68010** Complete information package for upgrading an Amiga to use an MC68010 in place of the MC68000. Includes a software fix that makes this transparent to user programs that use instructions that are privileged on the 68010 By Thad Floryan FF18

**mCAD** An object-oriented drawing program, version 1.2.2. Uses a small set of graphics primitives (like 'line', 'box', and 'text') and a small set of editing functions (like 'move', 'size', and 'rotate'). While drawing and editing, the user can call on other functions to modify the display: to zoom in, slide around, superimpose a grid, etc. This shareware program was submitted by the author. Many improvements over the version released on FF56. Binary only. Author:

Tim Mooney FF59, FF56

**MCAnima** special animator. Plays LORES 4-plane ANIM5 anims in a HIRES-LACE screen. The result is a FULLspeed, small (1/4) animation with a high resolution. The anim can be placed anywhere on the screen. One of nine copelists can be added in one register without loss of speed. Version 0.8, binary only. Author: Ekke Verheul FF794

**MCMaster** MCMaster is another cassette tape cover printing utility which should work together with any printer which supports pica and line. Other features include a search function and a list function which allows you to put all the song names in a list gadget to scroll around. Version 1.1, freeware, includes source in C. Author: Michael Watzl FF685

**MCP** A 'TRON' like cycle race game for up to four players. Author: Jorg Sixt FF481

**meadows3D** A 3D graphics program, from an AC™ article, in AmigaBASIC. AM11

**Mean18** Two Mean 18 custom golf courses by Joel Swank FF304

**MechFlight** A role playing game where you explore a world, buy or find items, and fight against robots and aliens. During the game you are asked to perform certain tasks. This is version 1.0, binary only. Author: Florian Marquardt FF410

**MED** MED is a music editor that can be used to compose music for demos/games etc. It can be used as a stand-alone music program as well. The features include built-in sample editor, synthetic sound editor, MIDI support (up to 16 tracks), and options to read/write NoiseTracker modules. Included are routines that allow programmers to easily incorporate music made with MED in their programs. This is version 3.10, an update to version 3.00 on disk 476. Binary only. Author: Teljo Kinnunen FF483, FF476, FF424, FF349

**Med** Yet another Amiga text editor. This one lets you edit up to 36 files simultaneously and makes extensive use of the mouse. This is version 2.1, binary only. Author: Francois Rouaix FF60

**MED-Songs** A selection of musical pieces created with MED, the musical editor program (see disk 476 for MED 3.00). Includes MEDPlayer version 3.0. Author: Hans-H. Adam FF478

**MegaBall** This is a new version of the game Ball by the same author. It is a Breakout type game, and is very good. Complete with impressive sound. This one's addicting. Binary only. Author: Ed Mackey FF477

**MegaD** A directory utility with multiple directory windows so you may copy from multiple sources to a single destination, copy from one source to multiple destinations, or copy from multi-ple sources to multiple destinations. Full font support, full screens support, application icons, application menus and ap-plication windows support. Includes 126 page tutorial and 47 page user guide. Other features include 72 user defined com- mand gadgets with simple keyboard equivalents, and multiple filters on directory listings. Version 2.00, binary only. Author: John L. Jones FF736, FF440

**MegaEd** A powerful text editor with lots of features, some not found elsewhere. Integrated Text oriented database, extensive for- matting/printing functions, macro language, AReXX-port, key- word indentation, multiple blocks/marks, key/menu macro record- ing, configurability for lot's of languages/compiler, innumer- able handy functions for programmers, user friendly interface. Version 1.5, public domain, binary only. Author: Wouter van Oortmerssen FF743

**MegaWB** A program that makes it possible to make your WorkBench screen as large as you like. Version 1.2, Source in Modula-II. By: Fridtjof Siebert FF253

**Melt** Another display hack from the master himself...

Includes source. Author: Leo Schwab FF66

**MEM** A little memory game where the object is to remember the face of a 'thief' you are shown for a variable length of time depending on the level. You are then presented with a screen in which you have to 'recreate' the face using various selections for eyes, eyebrows, nose and mouth. Version 1.0, binary only. Author: Jason Truong FF780

**MEMacs** Another Emacs, more oriented to word processing. In C source code and executable program, and documentation provided. AM9

**MemBar** A simple program to display the free memory using a window with bars for chip and fast memory. Version 1.0, public domain, includes source. Author: Benjamin (Pink) Stegemann FF814

**MemBoardTest** Originally designed for production testing of A1000 memory boards. Very nice intuition interface. Version 2.4, includes source in Modula. Author: George Vokalek FF158

**MemCheck** A small tool to watch the first 1000 bytes of memory for ille- gal write actions. It also checks some system vectors (cold- capture, coolcapture, warmcapture, kickMemPtr, kickTagPtr and kickCheckSum) to show any changes made by viruses. Kickstart 1.3/2.04 compatible. Version 1.0, binary only. Author: Tom Kroener FF740

**Memcheck** An antivirus package designed to be used for detection and analysis of new and old viruses. It includes a very powerful bootblock detector a CLI detector and a Vectors program. The programs check for any virus in RAM and are able to kill all viruses in RAM. All libraries detects interrupts reset vectors etc are completely checked by the programs. This is version 5.0 binary only. Source code is available from the author. Author: Koen Peetermans FF600

**MemClear** Walks through the free memory lists filling free memory with a user-specified value. Display diagnostic information on CHIP & FAST RAM fragmentation. This is version 1.05 an update to the version on disk 58. Includes source. Author: Dallas J. Hodgson FF571, FF58

**MemDiag** Memory diagnostic program to identify addresses

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which produce memory errors, and a memory quarantine program which removes such defective addresses from the system's free memory list, until the hardware errors can be corrected. Version 1.1, includes source. by: Fabbian Dufoe FF214

**MeMeter** A small utility for monitoring the Amiga's memory usage. Unique snapshot facility allows you to store the current numbers, launch a program, see how much memory it requires, and the program, and see if it returns all the memory. Version 2.1, binary only. Author: Gaylan Wallis FF366

**MeMeterA** WB 2.0 only version of MeMeter (only 2000 bytes). Update for original MeMeter, which didn't work under 2.0. Includes source in C. Author: Pierre Carrette FF843

**MemFlick** Treats all the memory in your Amiga as if it was part of a bitplane inside a graphics display. Provides sort of a graphical picture of your memory usage. Binary. By Jim Webster FF206

**MemFrag** Displays number of memory chunks/sizes to show memory fragmentation. Chunks are displayed as 2" N bytes which is a rough guide but still useful. This is an enhanced version of 'Frag' from disk 69. Includes source. By: Mike Meyer, enhancements by Gary Duncan FF345

**MemGauge** A graphical memory gauge. Displays your computer's memory (chip, fast, public) in three horizontal bars. Version 1.2, binary only. Author: Malcolm Harvey FF723

**MemGauge** A tool to display the current memory usage, very much like the usage bar Workbench displays in root directories. V1.4, includes source. Author: Olaf 'Olsen' Barthel FF222

**MemGuard** A program similar to MemWatch, which continually checks the low memory vector table for random trashing. Has been optimized and greatly enhanced to support the 68010, 68020, 68030, etc. microprocessors. Unlike MemWatch, MemGuard does not run as task in a dummy loop but rather as a low level interrupt routine which is capable of trapping memory trashing even before exec might know of it, and even while task switching is forbidden. Author: Ralf Thanner FF436, FF354, FF325

**MemLib** A link library of routines to aid in debugging memory problems. Works with Lattice C 5.0 and possibly with earlier versions. It's features include trashing all allocated memory, trashing all freed memory, keeping track of freed memory with notification if it is written to, notification of memory freed twice or not at all, notification of overrunning or underunning allocated memory, generation of low memory conditions for testing purposes, and identification of violations of memory use by filename and line number of the allocating routine. Includes source. Author: John Toebees and Doug Walker FF240

**MemLook** Gives a graphical view of your machine's entire memory area. Features memory gauge and controllable scrolling speed via the cursor keys. Includes source in assembly. Author: Thomas Jansen FF417, FF364

**MemMan** The MemoryManager can be used to test programs under different CHIP/FAST memory configurations. Version 1.10 freeware binary only. Author: Carsten Rautfuß FF636

**MemMin** A little utility that will measure and continuously report the maximum amount of memory used by a program and the minimum level of memory remaining. Freeware, assembly source included. Author: Chas A. Wyndham FF760

**MemMometer** A program that opens a narrow window and graphically displays your memory usage like a gauge. Warps mode will detect changes in regions of memory over time. Detected changes are categorized and displayed using color coded bands. This is version 2.40, an update to Version 2.20 on disk number 496. Can be used with AmigaDOS 1.2 to 3.0; does 32-bit memory addresses. New with version 2.4 is an AReXX port for menu functions. Includes source in C. Author: Howard Hull FF758, FF496, FF350

**MemMon** A small memory monitor. Version II, shareware, includes source in Modula II. Author: Andreas Gunser FF455

**MemoMaster** A program that warns you about events (like birthdays and anniversaries) as they approach. Version 2, includes source. Author: Jeff Flynn FF819

**MemOn** An intuition-based utility that allows you to monitor or change specific memory addresses. User may select byte, word, or long word alignment. Displays in binary, hex, and signed or unsigned decimal. Also useful for displaying ascii codes of various character key mappings and/or as a hex/binary/decimal converter. Version 1.0, binary only. Author: David Ekholm FF769

**MemoPad** A shareware intuition-based memo reminder program. Nicely done. Author: Michael Griebling FF160, FF146

**Memory Squares:** Test your memory with this AmigaBASIC game. Author: Mike Morrison AC5

**MemoryClock** A clock program that shows the amount of free fast ram, free chip ram, as well as the time and date. Includes source in assembly code. By Roger Fischlin FF188

**MemRoutines** Some plug-compatible replacements for the Lattice C functions memcpy(), memcmp(), and memset(). Unlike the Lattice functions that deal with data one-byte at a time, these versions deal with longword chunks, which can improve performance of Amigas equipped with a 68020 or 68030. Includes source in assembly. Author: Robert Broughton FF362

**MemSnap** A small memory monitor useful for seeing how much memory other programs take up. Based on a program called Memeter, which broke under Kickstart 2.0. Requires Kickstart 2.0 or higher. Version 1.1, an update to version 1.0 on disk 696. Includes source. Author: Martin W. Scott FF826, FF696

**MemTrace** Routines to help debug memory allocation and

freeing during program development. Will complain if you try to free memory you didn't allocate and will report on memory not freed when your program finishes. Author: Jojo Wesener FF163

**MemView** Program which sets up a direct window into RAM, thus dynamically displaying the contents of memory. Author: Leo Schwab FF33

**MemWaste** Allocates all fast memory except a user specified number of bytes. Allocation is freeable with another call to MemWaste. Useful if you do not want to waste 32-Bit-RAM for your 1 MB RAD. Version 1.0, first release. Includes source in assembly. Author: Thies Wellpott FF761

**MemWatch** Memwatch is a program intended to sit in the background and watch for random trashing of low memory by an application under development. If it detects a write to low memory, it repairs it to what used to be there, then puts up a requester indicating what damage had been done. Very useful! Version II, includes source. Author: John Toebees FF87, FF48

**Menu** A fast-access menu system configurable via a script file that allows the user run selected programs. Version 2.0, binary only. Author: Stefan Mörnhag FF387

**menu** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**Menu2Asm** A module for A-L AG's Modula-2 compiler 'M2Amiga V4.0' that automatically creates modules for pre-initialized menus for the use with this Modula-2 compiler. Requires A68k by Charlie Gibbs or any compatible assembler. This is version 1.0. Includes source in Modula-2. Author: Jürgen Zimmermann FF563

**MenuBuilder** A program which automates the process of building menus. It takes a simple text file and generates a C source file with all the needed structures for linking with the rest of your program. This is version 1.0, and includes source. Author: A. Preston FF65, AC7

**MenuC** A menu and gadget compiler. Takes a simple ascii file describing menus and gadgets and creates the appropriate IntuiText structures needed to actually create working menus and gadgets, in either C or assembly source. This is version 0.8, binary only. Author: Bruce Mackey FF438

**menudemo** A demo of Intuition menus called 'menudemo', in C source. C program. AM5

**menuEd** A menu editor that produces C code for menus. Executable program and documentation. AM12

**MenuEd:** A menu editor that allows you to easily create menus. The program then generates C code that you can use in your own programs. Author: David Pehrson AC1

**MenuEditor** Create and edit menus, saving the result as either a binary file for further editing or as C source for inclusion in a program. Author: David Pehrson Author's suggested shareware donation: \$15 FF30

**MenuLock** A program that lets you 'lock' the menu strip of a window at the touch of a few keys making it easier to browse the menu without accidentally selecting anything. Version 1.01 includes source. Author: Jan van den Baard FF570

**Menus** Learn about Intuition menus, a John Draper Amiga Tutorial, AM2

**MenuWriter** Allows you to write a menu to the bootblock to a disk. Allows up to 30 entries of 39 characters long, with commands up to 31 characters long. The loader also allows batch files to be executed. Includes a built in virus detector. Version 3.1, binary only, source available from author. Author: Peter Stuer FF420

**MergeMem** Program which attempts to merge the MemList entries of sequentially configured RAM boards. When successful allows allocating a section of memory which spans board boundaries. Version 2. Author: Carolyn Scheppler FF95, FF56

**Metafont** Amiga port of the Metafont package, a program to create TeX fonts. Includes versions for 68000 and 68020. Disk 487 contains a copy of the Metafont font source files from the TeX distribution tape, including the Computer Modern Roman and the LaTeX fonts. This is version 2.7, binary only. Author: Donald E. Knuth, Stefan Becker (Amiga port) FF486

**Metro** In METRO, you play the role of a city planner. Using limited funds, you must construct a mass-transit subway system capable of meeting the needs of your city. Build wisely and your system will be a success, but poor planning will lead to disaster and financial ruin. Shareware, binary only, source available from author. Author: Mark A. Thomas and David P. Townsend FF426

**MFF-Demo** Demo copy of the MicroFiche File program from Software Visions Inc. The MicroFiche File is a full-powered database program for manipulation of text, numbers, and pictures. It uses the microfiche metaphor for dealing with your data graphically. This is a full production version except that the save option has been disabled. Includes a sample database of my disk library. Binary only. Author: Gary Samad FF89

**MFF-Update** A text import utility for MicroFiche Filer (demo version released on disk 89) and updates to some PD disk library databases. Binary only. Author: Gary Samad FF103

**MFix** A small program to insert in the startup-sequence of the commercial program, Marauder II, from Discovery Software, International. Whenever the copy process is started, the rainbow screen is covered by a bare screen until the copy is finished. The author claims a 25% decrease in copy time is achieved. Version 1.0, binary only. Author: Stephen Gunn FF172

**MForgeRev** Text of a user's view of MicroForge hard drive. AM6

**MFR** Magic File Requester is a replacement for other file request-ers. Features include complete keyboard control, nice outfit, proportional font support, multiple directory caching, file find mechanism, file class support, file notification, many configuration options, history list, etc.

This is version 2.0a, shareware, binary only. Author: Stefan Stuntz FF705

**MFSrc** A copy of the Metafont font source files from the TeX distribution tape, suitable for use with the Amiga port of Metafont on disk 486. Included are the Computer Modern Roman and the LaTeX fonts. These should be sufficient to run a normal TeX installation. Author: Various FF487

**MGBeta** version of mg3, including AReXX support. This is probably the most stable beta for the next year, as many new features are going in after this. Amiga-only release. Sources compressed with Iharc to fit on the disk. Update to mg2b on disk 147. Author: Mike Meyer, et al. FF352

**Mg1b** A version of Mg1b with an AReXX port and other improvements by Tomas Rokicki. Finally you can define macros and bind them to function keys in your startup file! Includes source. Author: Various; enhancements by Tomas Rokicki FF131

**MICE** My Image Code Editor. MICE generates source code from standard IFF pictures. Can generate either assembly or C source. Version 1.2 binary only. Author: Pierre-Louis Mangeard FF590

**MicroEMACS** Version 3.10 of Daniel Lawrence's variant of Dave Conroy's microemacs. This is an update to the version released on disk 119. New features include multiple marks, more function key support, a better crypt algorithm, and end-of-word command, a command line switch for setting environment variables, new hooks for macros, a command to strip trailing whitespace, international-zation features like foreign language message support, horizontal window scrolling, much faster search algorithm, Amiga intuition support, and more. Includes source and extensive online documentation. Author: Dave Conroy, MANY enhancements by Daniel Lawrence FF195, FF147, FF119, FF93, FF61, FF6, FF2

**MicroEmacs** This disk contains a significantly enhanced version of microEmacs based on the version 3.0 release posted to usenet's mod.sources news group. Previous versions of microEmacs released on these disks derived from a very old version of microEmacs. The author has cleaned up lots of loose ends and restructured major parts of the code. Other people have added support for termcap, ports to other machines and operating systems, and a limited GNU emacs compatibility option. Because recipients of this disk might wish to run this new microEmacs on other machines in addition to the Amiga, I have included all sources that were available to me at the time of release. The sub-directories which give alternate implementations are: Sys/Vms System modules for VAX, VMS Sys/Atari System modules for Atari ST Sys/MS-DOS System modules for MS-DOS Sys/Cpm86 System modules for Cpm Sys/ Amiga System modules for Amiga Sys/Ultrix System modules for Ultrix/BSD4.2 Sys/SysV System modules for UNIX System V Ty/Atari Terminal driver for Atari ST Ty/7300 Terminal driver for AT&T UNIX PC (7300) Ty/Intuition Terminal driver for Amiga using Intuition Ty/Termcap Terminal driver using termcap for UNIX Ty/Ansi Terminal driver using ANSI codes Ty/ AmigaDOS Terminal driver for Amiga using just AmigaDOS Ty/Heath Terminal driver for a Heath terminal. Please send any enhancements to retdaveb, or to me and I will see that he gets them. Fred FF23

**MicroGNUEmacs** MicroGNUEmacs(MG 2b) contains many additions and enhancements since the original works by Dave Conroy (credit belongs to all contributors and Beta testers. Note: Amiga specific source code files and the document files have been archived. An executable copy of the PDS archive program 'Zoo' is in the 'c' directory FF147, FF101, FF68, FF6

**MicroSPELL** MicroSPELL is a standalone spelling checker which scans text files and reports on misspelled words. It has a 1000 word 'common word' list, a 43,000 word main dictionary, and supports multiple user dictionaries. Also interfaces quite nicely with MicroEMACS 3.9, with an emacs macro to step through the source file, stopping at each suspect word and allowing the user to dispose of it in different ways. Version 1.0, includes source. Author: Daniel Lawrence FF101

**MicroTerm** A very small, very simple, almost brain-dead terminal program. Primarily useful as an example of how to talk to the console and serial devices. Version 0.1, includes source. Author: Stephen Vermeulen. FF326

**MIDI** A midi library and utilities set. This looks like a very complete package, though I have no way of testing anything since I have no MIDI hardware. The MIDI utilities include a MIDI monitor to display incoming MIDI messages to the console, a routing utility, a MIDI library status utility, and more. Also includes source. Author: Bill Barton FF101

**MIDI** Make your own MIDI instrument interface with documentation and a hi-res schematic picture. AM13

**MIDI Out:** A MIDI program that you can expand upon. Written in C. Author: Br. Seraphim Winslow AC3

**MidiChords** A program which replaces and extends the chord-key-playfunction, as may be found on several low priced keyboards. To make full use of this code a MIDI interface and a keyboard capable of MIDI reception is required, however, a limited audio output is available too. Some special harmonic routines are: Chord Finding, Sequencing and Random Play. Chords and sequences are played by simple mouse clicks and recorded Seqfiles can be saved (and loaded). On-line information may be switched on/off. Version 3.2, binary only. Author: Theo Brugman FF847

**MidiDiag** Displays midi data as well as indicating which midi function was detected. Version 2.1, binary only. Author: Michael Dosa FF653

**MidiKeyboard** A program that makes it possible to play MIDI keyboards connected to the Amiga with a MIDI interface via mouse or computer keyboard. It is possible to control up to 16 notes independently with the computer keyboard. Requires Bill Barton's 'midi.library' V2.0 or higher. This is version 1.0. Binary only. Author: Jürgen

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |



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Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**mouse pointers** Amicus 26 contains a group of mouse pointers and the Workbench program to display them. AM26

**mouse**Shows how to set up the gameport device as a mouse so that hooking up the mouse to the right port gives access to mouse information. Author: Rob Peck FF5

**MouseAccel** Yet another mouse accelerator, this one implemented as a commodity. If you find the built-in accelerator too slow, try this one. Requires AmigaOS 2.0. This is version 1.01. Includes german version and source in C. Author: Stefan Sticht FF497

**MouseAldeDEMO** A DEMO version of a 'Mouse' utility which has all the standard functions: Mouse Acceleration with threshold, window and screen manipulation by mouse and keyboard, mouse and screen blanking, SUN (auto-activation) mouse, user definable 'hot key' command, Keyboard 'String' macros, etc... But also has functions other 'Mouse' programs do NOT, such as: Shell-Cycling, Key Clicking, KeyClosing, Multi-Icon-Select with Mouse, Middle Mouse Button Windowing, EZ-Data generation, Mouse Port switching, Workbench to the front function, Freezing Mouse & Keyboard of all input, etc... Now more 2.0x friendly then older versions, including the ability to fuction correctly in 'Super-HiRes' screen mode! Written in 100% assembly language for efficiency in size and CPU usage. Version v7.12a, an update to version v5.02a on disk 711, Shareware, Binary only. Authors: Thomas J. Czamecki FF788, FF711, FF646, FF637, FF635

**MouseBlanker** Blanks the mouse pointer after a defined timeout or if you press any key. Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.13. Includes german version and source in C. Author: Stefan Sticht FF497

**MouseBounce** A short hack/game that makes your mouse pointer bounce around the screen. The object is to close the MouseBounce window and exit the game. Each time you click the mouse button, the pointer speeds up. With source. by Jonathan Potter FF204

**MouseClock** A clock and free memory display utility that generates a small display tied to your mouse, using two hardware sprites as the display area. Version 1.2, includes source. Author: Olaf Barthel FF279, FF69

**MouseCoords** A small assembly utility which shows you the current position of the mouse pointer. Can be 'jumped' to operate on any screen. With source in assembly. By Jonathan Potter FF287

**MouseMagic** A little gag-program. Can be stopped by closing its window. Includes source in Modula II. Author: Robert Brandner FF549

**MouseOff** Enhanced and smaller version of MouseOff released on FF73. MouseOff will cause the mouse pointer to disappear and then reappear if mouse movement is detected. Includes source. Author: Denny Jenkins, reworked by Tom Smythe FF75, FF73

**MouseReader** Shareware program, submitted by the author, to read text files and view IFF files using only the mouse. Binary only. Author: William Betz FF97

**mousetrack**A mouse tracking example in hires mode in AmigaBASIC. AM11

**MouseUtil**Intuition based program to allow you to change your mouse speed without having to go through preferences. V1.1, includes assembly source. by Luciano Bertato FF184

**MouseXY** A small utility that shows the mouse coordinates and the color at that position. It can be moved from screen to screen (automatically evacuates any closing screen). Is able to show coordinates even when you are moving/ resizing windows or moving Workbench icons. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF543, FF483

**mouseport.c** Test mouse port. C program. AM4

**MovePointer** Moves the pointer to any specified location on the screen, specified by X-Y coordinates. With source. By 'Cewy' FF87

**MoveSYS** Reassigns SYS:, C:, S:, L:, LIBS:, DEVS:, and FONTS: to a new disk or directory in one step. Can be used from CLI or Workbench; just click it and shift-double-click a disk or drawer icon. More flexible and robust than some other programs written for the same purpose. It's small and pure. Second release (the one on disk 224 worked from CLI only). Includes source. Author: Paul Kienitz, FF429

**MoveWindow** Move a named window to any arbitrary X-Y coordinate and possibly resize it at the same time. Includes source. Author: 'Cewy' FF87

**MovieGuys.pic** A still from an old movie in an IFF picture. AM6

**Movies** A RAM animation system with three different example animations: Kahnankas, Rocker, and F-15. Kahnankas won a close second in the Badge Killer Demo Contest. Both Kahnankas and Rocker run on a 512K Amiga and show off overscan HAM mode. Includes a animation player program (movie), animation builder programs (dibm, pilbm), and a text/graphics display program (vilbm). Authors: Eric Graham and Ken Offer FF116

**MPA** small, useful utility for sending any MIDI data back and forth between an Amiga and a MIDI instrument. Helpful for learning about MIDI, writing/debugging MIDI software, figuring out your instrument's system-exclusive implementation, and more. Very versatile. Version 1.0, includes source. Author: Daniel J. Barrett FF478

**MPE** A compiler tool for users of the M2amiga programming environment. MPE does the same job better than your batch file. You can do everything with the mouse or the right amiga key. With this Modula-2 Programming Environment you can compile, link, and run your program.

When there is an error, the editor is started automatically. You can set all switches for M2C, M2L M2Make, M2Project, and M2LibLink. This is version 1.38, an update to version 1.31 on disk 732. Binary only. Author: Marcel Timmermans FF766, FF732, FF703, FF671

**MRARPPFile** Extended ARP file support package that adds an orthogonal set of routines which support generalized I/O with resource tracking while using the ARP library. Includes source. Author: Mark Rinfret FF281

**MRBackUp** A hard disk backup utility that does a file by file copy to standard AmigaDOS floppy disks. Includes an intuition interface and file compression. Shareware, binary only. Author: Mark Rinfret FF465, FF327, FF279, FF270, FF170, FF129, FF128

**MrED** An ANSI graphics editor that allows loading and editing of ANSI color files commonly used in BBS programs. Features block moves a line drawing mode colorize functions full ANSI sequence support and more. Version 1.20 binary only. Author: Robert V. Fahney FF632

**MRMan** A package which contains an Amiga document reading system similar to the 'man' command on UNIX systems. It offers a high degree of flexibility in the naming and placement of document files on your system. This is version 1.0 and includes source. Author: Mark Rinfret FF281

**MRPrint** A detabbing print utility that sends text files to either the printer device or the standard output. Besides expanding tabs, it will also generate page headers, line numbers, and new margins. Version 3.4, includes source. By: Mark Rinfret FF279, FF167

**ms2smus** converts Music Studio files to IFF standard 'SMUS' format. AM16

**MSCalendar** A little calendar utility and a MCik-like MemoryClock in one program. It works fine with KickStart 2.0. Includes both English and German versions. This is version 1.10 includes source. Author: Markus Stipp FF564

**MSClock** A clock utility, which displays memory, date, time and online time (if connected to another computer via modem) in the titlebar of the WorkBench screen. This is version 1.3, includes source. Author: Martin Steppeler FF484

**MSDOS** A program to list files written in standard MS-DOS or Atari ST format. The files can then be copied to RAM and rewritten to disk in Amiga-DOS format. Binary only, Shareware, Version 0.1. Author: Frank Wibbeling FF158

**Msh** An Amiga file system handler that handles MS-DOS formatted diskettes. Version '1.30' (Release 1 patch 3). You can use files on such disks in almost exactly the same way as you use files on native AmigaDOS disks. This is a fully functional, read/write version, that supports 8, 9, or 10 sector disks of 80 tracks, and should also work on track drives and hard disks with 12 or 16 bit FAT of any dimension the FAT allows. Includes source. Author: Olaf Seibert FF382, FF327

**MSIZER** a program that allows you to resize a window from any corner when holding down the left mouse button and the left Amiga key. Includes source. Author: Khaled Mardam-Bey FF285

**MT420d** Printer driver for the Mannesmann Tally MT420d. Includes a few bug-fixes. Author: Sascha Wildner FF436

**MToolLibrary** A shared library for the Amiga. Some math functions and a bit of Intuition support. This is V2.20 an update to tool.library V2.08 on disk 376. A special FPU version is included. Freeware binary only. Author: Ruediger Dreier FF573

**MTV** The Dire Straits moving company in an IFF picture. AM6

**MuchMore** Another program like 'more' 'less' 'pg' etc. This one uses its own screen to show the text using a slow scroll. Includes built-in help commands to search for text and commands to print the text. Works with PAL or NTSC in normal or overscan modes. Supports 4 color text in bold italic underlined or inverse fonts. Version 3.0 this is an update to version 2.7 from disk 378. Includes source in Oberon and assembly code. Author: Fridtjof Siebert FF560, FF378, FF253, FF234

**MuchMorePoPa** Extended version of MuchMore V2.7. Displays texts that have been packed with PowerPacker. Version 2.7, includes source in Oberon and assembly code. Author: Fridtjof Siebert FF378

**mult** Mult reads the input comparing adjacent lines. In the normal case, the second and succeeding copies of repeated lines are output, and the remainder of the lines are removed. Repeated lines must be adjacent in order to be found. Options are present to output the first of multiple lines, for comparing adjacent lines by field only, and for specifying the field separator character. Kind of the opposite of the UNIX 'uniq' program. Author: Dennis FF6

**Multi-Forth:** Implementing the ARP library from Forth. Author: Lonnie A. Watson AC6

**Multi\_Player** A music player that loads and plays a large variety of the 'tracker' type sound modules. With an intuition interface allows you to load formats like Intuitracker NoisePlayer Soundtracker FutureComposer and 7 others including power- packed modules! Includes many sample modules in several of these formats. This is version 1.5 an update to version 1.2 on disk 509. Binary only. Author: Thomas Landspurg FF600, FF509

**MultiBox** Request utility which can be used in scripts. Unlike other tools (QuickRequest, Request, etc) it uses checkbox gadgets. Includes source in C. Author: Michael Watzi FF686

**Multic** Formats a single column of input into multiple side by side columns. Includes source. Author: Joel Swank FF304

**MultiCalc** Yet another RPN type graphic calculator. This one generates answers with extreme precision (if 3000 digits is enough!) Features a 48-digit scrollable display, mouse driven with lots of keyboard shortcuts, and iconification during non-use. Binary only. Author: Kenneth Johnson FF166

**MultiClock** A flexible titlebar clock commodity with many

extra features such as chime with builtin or digitized sounds, alarm which allows launching an Arexx or Batch file, and both digitised and narrator speech to say the time. Requires AmigaDos 2.04 or greater. Version 1.17, binary only. Author: Hugh Leslie FF740

**MultiDef** A program to scan a collection of object and library files and identify multiply defined symbols. This is useful to locate subtle problems where user defined symbols override library symbols. Author: Paul Jatkowski FF49

**MultiDim** Lets you rotate a 2 to 6 dimensional 'cube' on the screen using the joystick. Author: Robert French FF18

**MultiInstall** A script driven program for the installation of larger program packages. Executes CLI like script files in a simple language. Version 1.0, includes source. Author: Stefan G. Boldorf FF548

**MultiPlayer** Music player program which plays Soundtracker/Noisetacker modules MED modules and over 15 other types. It contains a simple control panel and allows creating 'programs' to play a list of modules in sequence or in random order. Works well with 1.3 and 2.0. Supports Workbench 2.0's 'AppWindow' feature - just drop modules into the MultiPlayer window to play them. Plays modules at the correct speed regardless of video mode (NTSC or PAL). ARExx port and program load/save available in registered version. Binary only. Author: Bryan Ford FF621, FF573

**Multiplot** An intuitive data plotting program featuring flexible input options arbitrary text addition automatic scaling zoom and slide with clipping at boundaries a range of output file formats and publication quality printed output. Workbench printers are supported via transparent use of the PLT: device. Postscript and HP Laserjet printers are directly supported. This is version XLNe an update to version XLNd on disk 467. Includes bug fixes and many new features. Binary only. Authors: Alan Baxter Tim Mooney Rich Champagneaux Jim Miller FF572, FF467, FF373, FF333, FF292

**MultiReq** A FileRequester library, but it's not simply another file requester library, cause it's the first really multitasking file requester (as far as I know) and above this it also has a great number of other features, that make MultiReq superior to other file requesters. Written entirely in assembler to be small and fast. Version 1.20, binary only, shareware. Author: Andreas Krebs FF778

**MultiSelect** A small program that makes it possible to select several icons on the workbench without having to press the Shift key. V 1.0, with source in Modula-II. By Fridtjof Siebert FF253

**MultiSort:** Sorting and intertask communication in Modula-2. Author: Steve Falsiewiczski AC2

**MultiTasking** Tutorial and example program for multitasking at the Exec level Author: Leo L. Schwab FF20

**Multitasking in Fortran:** All the hard work is done here so you can multitask in Fortran. Author: Jim Locker AC6

**MunchingSq** Leo's 'Munching Squares' hack, now upgraded to take a single argument for a seed value. With source. By Leo Schwab FF87

**Muncho** A cute little program which plays a digitized sound sample when you insert or remove a disk from your drive. If you don't like the sounds, you can replace them with your own. Binary only. Author: Andrew Werth FF137

**MungWall** Munges memory and watches for illegal FreeMem's. Especially useful in combination with Enforcer. Output can go to either the serial or parallel port. Includes a new MungList program that examines used memory areas for MungWall tag info, and outputs a list of who owns the various pieces of allocated memory, their sizes, etc. Can even identify the owner of the memory by task name. This is version 37.58, an update to version 37.54 on disk 707. Binary only. Author: Commodore Amiga; submitted by Carolyn Scheppner FF800, FF707, FF699, FF659

**Music** A collection of 14 Classical pieces. AM23

**Music Titrer:** Generates a titler display to accompany the audio on a VCR recording. Author: Brian Zupke AC8

**MusicCraft2SMUS** Amiga Music Player AM23

**MusicStudio2SMUS** Amiga Music Player AM23

**Mv** A Unix style mv/cp/rm program that moves, copies, or removes files. Includes interactive mode, recursive mode, and force quiet mode. Copies file permissions, dates, and comments, supports arp style wildcards, supports moves across volumes, honors the delete bit. V 1.1, with source. By Edwin Hoogerbaets FF219

**MVP-FORTH** Mountain View Press Forth, Version 1.00.03A. A shareware version of forth from Fantasia Systems. Runnable from the workbench, comes with icons and such. If you use this, please send a contribution to Fantasia Systems/Mountain View Press. FF9

**MWB** A program which will create a new 'WorkBench' screen and route by request OpenWindow calls meant for the WorkBench to these new screens. This allows you to run programs which normally open windows on the WorkBench screen to use a custom screen instead. V 1.01, with source. By Matt Dillon FF65

**MWTape** A tape handler which uses scsi.device to implement serial access to typical streaming tape devices. Includes source. Author: Markus Wandel FF445

**MxExample** Example of mutual exclusion gadget handling. Author: Davide Cervone FF31

**MxGads** Demonstrates how to make mutual exclusion of boolean gadgets work, even if they contain Gadget Text. Author: Willy Langeveld FF52

**MXMLib** An example Amiga shared library compiled with Aztec 'C' 5.0. This library contains basic support functions employed by programs such as KeyMacro or PrintHandler. In short: mxm.library is the standard MXM system support library. Version 34.14, includes source. Author: Olaf Barthel FF354

**MXReq** Creates a customizable mutual exclude requester from a shell or AREXX script. The user can select one out of up to eight entries, each of them writes an own value to

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

an environment variable. Including executable, sources, docs, examples and a small bonus tool. Version: 1.20  
Author: Andre Weissflog FF806

**MyLib** A binary only copy of Matt's alternate run time library.  
Author: Matt Dillon FF46

**MyCLI** Another CLI for the AMIGA. By Mike Schwartz FF4, AM9

**mydev.asm** Sample device driver. Assembler file. AM5

**mydev.i** Sample device example AM5

**mylib.asm** Sample library example. Assembler file. AM5

**mylib.i** Sample library example AM5

**MyMenu** MyMenu allows you to add your own menus to the WorkBench menu strip, to run commonly used commands. MyMenu will allow you to execute both CLI and WorkBench programs, and is configured with a normal text file. Includes source. Author: Darin Johnson FF225

**MyUpdate** A disk update utility that also provides support for automatically stripping comments from C header files and for interactive verification on a per file basis. Author: JoeMueller FF49

**Nag** A shareware appointment calendar with it's own editor and a unique 'nagging' feature utilizing the Amiga's voice and audio devices. Version 1.6, binary only. By Richard Lee Stockton FF161

**NameGame** A game based on a popular type of word skill puzzle contest generally sponsored by newspapers. Binary only. Author: Mike Savin, Gladstone Productions FF256

**Names** A shareware program to create and manage mailing lists. Binary only. Author: Ernie Nelson FF122

**NameThatMonster** A commodity for use with Moria and similar games that use the slash key for identification. It allows you to identify a monster or object with a single press of the middle mouse button. Requires 2.04 or higher and a three button mouse. Includes source in F-Basic. Author: Douglas Nelson. FF832

**Nart** Another display hack from the master himself... Includes source. Author: Leo Schwab FF66

**NCode** A fast MC68000/10/20/30 conditional macro assembler for the Amiga. Supports both the old and the new Motorola syntax for operands and allows you to put standard parameters in an argument file. NCode can be used for any of the four CPU's and will check whether your code matches the specified target CPU. Version 1.2 binary only. Author: Edgar Visser FF600

**NComm** A communications program based on Comm version 1.34 by DJ James with lots of very nice enhancements. Works on any Amiga with 512K RAM or more ANSI/vt100 terminal emulation with 8 color text PAL NTSC and overscan support full support for all European languages baud rates up to 115200 baud support for lots of file transfer protocols including XPR library protocols script language scrollbar buffer hot keys an ARExx interface macros clipboard support and more. This is version 2.0 an update to version 1.9 on disk 356. Shareware binary only. Author: DJ James Daniel Bloch Torkel Lodberg et al. FF621, FF356, FF246, FF230

**NDebt** Amusing, but saddening, this program opens a small window that displays a continuously updated tally of America's national debt, based on its historically phenomenal growth rate. Version 1.1, includes source. Author: Ron Charlton FF366

**Ndir** Library that implements the 4BSD UNIX directory access routines (opendir, closedir, readdir, etc). Includes source in C. Author: Mike Meyer FF92

**NEC 8025A** Printer driver for the NEC 8025A. AM9

**Nemesis** This demo is Mark's entry to the Badge Killer Demo Contest. It is quite small for what it does, and won fifth place in the contest. Binary only. Author: Mark Riley FF127, AM25

**NetHack** A screen oriented fantasy game where your goal is to grab as much treasure as you can, retrieve the Amulet of Yendor, and escape the Mazes of Menace alive. On the screen is a map of where you have been and what you have seen on the current dungeon level. As you explore more of the level, it appears on the screen in front of you. Nethack generates a new dungeon every time it is played, thus even veteran players will continue to find it entertaining and exciting. This is a 3 part distribution. Part 1 contains the binary portion of the distribution. Part 2 and part 3 contains the source portion of the distribution, and can be found on disk 823 and 824. This is version 3.1p10, an update to version 3.0p10 on disk 460. Includes source. Author: Various; see documentation FF822-824, FF460, FF189 & 190

**NetHandler** The Software Distillery's network file system handler (NET:), using Matt Dillon's DNET to mount one Amiga's devices on another Amiga. It also serves as an example file system written entirely in Lattice C. Version 1.0, includes source. Author: Software Distillery FF248

**NetWork** Another program in the long tradition of 'screen hacks' for the Amiga. Won't spoil the surprise by saying what it does. V1.0, includes source in Modula-II. By Fridtjof Siebert FF234

**NeuralNet** Example of Neural Net programming converted to JForth. Demonstrates a programming technique that many say is the wave of the future for software. This is a simple demo that shows neural propagation. Standalone image with source code. Author: Robert E. La Quey, ported by Jack Woehr FF239

**NeuralNets** A neural network example using the generalized back-propagation delta rule for learning, specifically applied to the tabula rasa Little Red Riding Hood instance. Author: Josiah C. Hoskins FF160

**Neuro** A neural network simulator which is able to learn patterns (e.g. letters) and recognize them. The program handles Hopfield and Backpropagation networks. Some examples are included. Version 1.0 binary only. Author: Berthold Ruf and Ulrich Wisser FF581

**NeuronalNets** Binary programs for playing with Neuronal Nets using Hopfield & Hamming algorithms. By Uwe Schaefer FF326

**NewBoot** A new bootblock which optionally kills all fastmrm, avoids NTSC-Amigas (PAL version only), opens the CLI-screen with the maximum size of 256 pixels (PAL version only), installs a fast TurboFonts routine which speeds up all \_LVOText activities and changes the color during booting to show that no virus is on disk. All options can be skipped by pressing a mouse button. Version 1.1, includes source in assembly. Author: André Wichmann FF654

**NewDefTool** A utility to change the default tool for project icons. Has a user defined configuration file for flexibility. Can change default tool according to old default tool or filenames. Supports the use of appicon so using NewDefTool is a simple matter of dragging and dropping icons. Requires AmigaDOS 2.0. This is version 1.01 public domain includes source. Author: Kjell Cederfeldt FF634

**NewDemos** Some new demos, including replacements for the standard 'lines' and 'boxes' demos, that use only a few percent of the CPU time, so it is reasonable to have lots of them running sim-ultaneously to demo multitasking. Binary By Steve Koren FF90

**NewEx** An assembly program to replace xicon, IconX and similar utilities. Unique in the fact that it uses a WorkBench Tool icon instead of a Project icon. This allows workbench startup of programs that could ordinarily only be started by the CLI. Version 1.1, includes assembly source. Author: Kjell Cederfeldt FF368

**NewFonts** Set of 28 new Amiga fonts. Author: Bill Fischer FF34

**NewFonts** Two new fonts; shalt18, an electronic circuit element font, and ibm5, a PC like font, different from that for Sidecar. Author: Peter Kittel FF71

**NewIFF** New IFF code modules and examples for use with the Release 2 ifparse.library. This code release is again 1.3 compatible (the 37.8 release was not). This code is intended to replace the 1985 EA IFF code modules, providing significant enhance- ments including support for arbitrary display modes and over- scan (2.0), clipboard load/save, centralized string handling (for ease of localization), and simplified subroutines for displaying, saving, and printing ILMs. And the 8SVX reader now plays! This is version 37.10, an update to version 37.9 on disk 674. Author: Submitted by Carolyn Scheppner FF705, FF674

**NewIFF** Some new IFF material dealing with sampled voice and music IFF files Posted to usenet by Carolyn Scheppner FF44

**NewList** A very fast and powerful 'list' and 'ls' utility. It features fast algorithms custom print and date formatting 3 different types of recursion a hunt mode character filters a pager ansi ENV: support and tons of sorts and options. This is version 6.0 an update to version 5.0a on disk 513. New features include complete WB2.0 support and compatibility including full link handling and some bug fixes. Binary only. Author: Phil Dietz FF597, FF513, FF501, FF478, FF461

**NewLook** A program that changes the system gadgets in all the screens and windows. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**NewMode** A tool for changing the screenmode of any screen by manipulating the OpenScreen pointer. Includes new 'ModeNames' file for the screenmodes (like HAM...). Requires OS2.0. Version 1.1. Binary only. Author: Andreas Linnemann FF798

**NewPackets** Tutorial downloaded from BIX C-A support section, which describes some new packets and structures in 1.2 AmigaDOS. Author: Carolyn Scheppner FF65

**NewPopAn** upgrade to the original 'POPCLI' by John Toebes. Features include a hotkey CLI (of course!), instant or timed screen blanking, a discreet informative backdrop window in the titlebar region of the WorkBench screen that gives the date, a rough indication of CPU usage and SCSI disk I/O and available memory. Also includes a runtime configuration file. Version 4.0, includes source. Author: Loren J. Rittle FF773

**NewPos** A tool to resize and move the active shell window directly or from scripts. Freeware, includes source in assembly. Author: Michael Watzl FF686

**NewPrint** A program for formatting textfiles so that they will print out as you like them to not on the perforation or on the platen. Adjustable top bottom left and right margins. Optional page numbers header and footer info. This is version 2.1 shareware binary only. Author: Kjell Cederfeldt FF634

**Newscaster.picA** TV newscaster in an IFF picture. AM6

**NewShellCX** An 'open shell on hotkey' commodity (like PopCLI). Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**NewStartups** A couple of new Cstartup modules. AStartup.asm is the source to AStartup.obj, with 1.2 fixes and better quote handling. TWStartup.asm is like AStartup.asm but opens a studio window, using a user supplied window specification, when executed from workbench. Author: Commodore, posted to BIX by Carolyn Scheppner FF55

**NewStat** Replacement program for the Amiga DOS STATUS command. Prints task number, priority, address of process, command line being executed, current directory, etc. Author: James Sygne FF38

**Newton** Uses the 'Newtons Method' algorithm to estimate both real and imaginary roots of a polynomial of degree 20 or less. Version 1.0, includes source. Author: Daniel Barrett FF164

**NewZAPA** third-generation multi-purpose file sector editing utility from the author of FileZAP. Displays and edits full 512-byte sectors via a 106 character wide internal font. Includes a search feature to find specific strings or hex digits forwards or backwards. User-customizable with new printing feature added. This is version 3.3 an update to version 3.18 on disk 164. Now DOS 2.0 compatible. Binary

only. Author: Dallas J. Hodgson FF574, FF164, FF58

**NFD** Newest File Date. Searches the specified directory for the newest file, then returns that filename and path as an ARP global variable. For people without ARP, it allows you to execute a command line, specified as a parameter, with the file name and path inserted at a specified point. Sample usage would be to have a word processor automatically load the last file worked on when it was invoked. Includes source in Pascal Author: Jonathan Maxwell FF744

**NGC** Yet another virus check program. Checks the bootblock on all inserted floppy disks and reports nonstandard ones. Checks the jump tables of all resident libraries and devices and reports suspicious entries. Version 1, includes source in assembly. Author: Ulf Nordquist FF238

**NGTC** Release Two, Revision 1, of a trivia game based on 'Star Trek: The Next Generation' TV series. This is a bug fix containing a new game module. You also need Release Two from disks 506 and 507, and Release One from disks 404 and 405. Created with The Director Version 2. Binary only. Author: Gregory Epley (ALL DISKS REQUIRED) FF538, FF506&507, FF404&405

**NiceMove** Some different examples in C of MOUSEMOVE event handling during high CPU or DMA usage. Version 1.00, first release. Includes source and a sample program. Author: Thies Wellpott FF771

**NickPrefs** An enhancement to IPrefs that manages three new preferences, WBPicture allows you to display any IFF picture in the main Workbench window, supplanting the original (and boring ;-)) WBPattern. BusyPointer lets you edit the clock pointer used by programs when they are busy. You may create an animated pointer. Floppy provides the ability to mess with the public fields of trackdisk, that is, the TDPF\_NOCLICK flag, step delay and the like. Requires OS2.0, binary only. Author: Nicola Salmoria FF780

**NiftyTerm** NiftyTerm is an h19/V102/VT52 emulator for the Amiga. It was originally designed to be used with DNet, but it has been expanded so that it may be used as a normal terminal emulator. Niftyterm was designed to be a good emulation of these terminals, as well as being fairly small and fast. Binary only, source available from authors. Author: Christopher Newman, Todd Williamson FF485, FF403

**NightMare** A handy little program that uses 'shock' techniques to scare people. Fun to watch while someone else is using your computer. Version 1.0, binary only, source available from author. Author: Patrick Evans FF448

**NInfo** A disassembler for memory, boot blocks, objects, libraries, and executables. Version 2.0, includes source. Author: Tony Preston FF662

**NLCalc** A calculator program that uses the NL 3D look (see NLDaemon on this disk). It will open on any screen at the touch of a function key. Version 3.1.2, includes source. Author: Davide Cervone FF497

**NLDaemon** Implements a 'New Look' in Amiga programs, by using 3D-like gadgets. Converts standard intuition window gadgets into 3D versions. Version 1.4.3, includes source. Author: Davide Cervone FF497

**NoArgs** The Arguments Utility. Never again get weak-minded by typing those long Command lines including hundreds of Arguments/Parameters. With NoArgs you can create a new executable command that calls the original command and automatically passes it the arguments you specified, without having to execute any Batch/Scriptfiles. Requires Amiga OS2.0, version 1.00, binary only, shareware. Author: Michael Bialas FF763

**NoCare** This utility speeds up your windowing environment. The OpenWindow vector is patched. When someone tries to open a window in the workbench screen, the lower refreshbit in the nw\_Flags field is cleared. This way, only NOCAREREFRESH windows will be opened, resulting in faster window movements. Windows opened in customscreens are not affected. This is version 1.5. Assembly source included. Author: Raymond Hoving FF480

**NoChange** Saves some important system vectors at the start of execution and periodically checks them to see if they've changed. A universal virus finder. Runs from both WorkBench and CLI. Includes source in C. Author: Kamran Karim FF758

**NoClick** A program to stop drives clicking in KickStart V2.0. Uses the correct method. Also included is a patch for the kickstart files for a permanent no-click for V1.3 and V2.0, both A3000 version and kickfile version for other Amigas. Binary only and ASCII patch. Author: Nic Wilson FF501

**NoClick** A program which silences the clicking of empty drives on the B2000 under AmigaDOS 1.3. It should also work on an A500. This is version 3.6, an update to version to version 3.5 on disk 243. Includes assembly source code. Author: Norman Iscove FF246, FF243, FF241, FF231

**NoDelete** This program pops up a requestor to alert you of a file de-letion being attempted via DeleteFile() and allows you to accept or cancel it. This also pertains to any files you attempt to delete via 'delete'. Version 2.01, an update to version 1.5a on disk 477. Includes source. Author: Uwe Schuerkamp FF657, FF477

**NoErrors** A simple to use, Gadget driven program. Its main function is to hide physical hard errors from floppy disks or hard disks, so these disks can then be used without DOS showing read/write errors. Binary only. Author: Nic Wilson FF501

**NoFragLib** A library containing 6 routines for defragmenting memory. Includes source. Author: Jan van den Baard FF658, FF503

**NolconPos** This program clears the position info of any of your icons to allow WorkBench to pick a reasonable place for the icon again. Useful for disk and drawer icons where Snapshot rewrites the icon and the window information.

# Freely Redistributable Software

Written in Modula-2, another demo for M2Amiga, showing the simplicity of programming with this Modula-2 compiler. By Markus. Schaub FF13

**NonClick** A program to stop floppy drive clicking. Features an intuition user interface that allows you to turn clicking on and off on every drive individually. Requires AmigaDOS 2.0. This is version 1.06 public domain includes source. Author: Kjell Cederfeldt FF634

**NoReq** A very short program that alternately turns on and off the DOS requesters. Useful for bulletin boards or other systems that may be unattended for long periods of time. Includes source in assembly. Author: Jonathan Potter FF412

**NorthC** A freely redistributable programming package containing all the programs required for developing in C. Based on the Sozobon Ltd C compiler, Charlie Gibb's assembler, the Software Distillery's linker, and portions from other sources. Steve has pulled everything together and added some enhancements in the process. This is version 1.2, an update to version 1.1 on disk 353. Changes include extra examples, many bug fixes, further documentation and some improvements. The environment is supplied compressed and unpacks to two disks. Partial source is included. Author: Steve Hawtin, Charlie Gibbs, Sozobon Ltd, The Software Distillery and many others. FF384, FF353, FF340

**NoSmoking** Sample program showing the use of a recoverable alert while displaying a personal health message. Includes source. Author: Theo Keranidis FF155

**NotBoingAgain** Dr. Gandalf's entry for the First Annual Badge Killer Demo Contest. It is an interfaced HAM animation with nicely integrated sound effects. It is a great visual pun on the original Boing demo, but to say anymore would ruin the effect. Binary only, requires 1 Mb of memory. By Dr. Gandalf (Eric J. Fleischer, MD) FF200

**NoteEdit** NoteEdit is a utility to write and save crypted notes. The ability of an automatic diary is included as well. Version 1.0, freeware, includes source. Author: Benjamin (Pink) Stegmann FF814

**Notify** A suite of Rexx programs that can be used to issue messages or run commands automatically on certain days and/or at certain times of day. Facilities are provided for the adding, editing and deleting of messages, and for displaying the times and texts of pending messages. A chime program is included to enable the time to be announced at regular intervals. This is version 1.02, an update to version 1.01 on disk 603. Author: Michael Tanzer FF652, FF603

**NovaA** puzzle where the object is to push boxes to designated locations. Uses HAM mode and is written in JForth. Relative difficulty for this puzzle is advanced, and it will take over two hours for most people to find the solution. This is version 2.0, binary only. Author: David M Cole FF647

**NoVirus** Another Anti-Virus utility. This one features known and new virus detection, view boot block, save and restore bootblocks, several 'Install' options and more. Written in assembly. Binary only. Author: Nic Wilson FF421, FF180

**NPD** A little utility to convert NoisePacker 2.xx modules to ProTracker format. Works on 1.3/2.0/3.0. Version 2.40, binary only. Author: Nils Cornelissen FF788

**Nro** Another roff style text formatter. New features include generation of ANSI/ISO codes for bold, italics, and underline, more than one formatting command on a line, longer macro names, and many more formatting commands. Includes source. Author: Unknown, posted to usenet by Alan Vymetalk Many enhancements by Olaf Seibert FF197, FF79

**NTSC&PAL** Two small command line utilities to switch back and forth between NTSC and PAL display modes. Should work on any machine with a 'Fatter Agnus' or better. Binary only. Author: Paul O'Flynn FF788

**NTSC-PAL** Two programs that give A500/A2000 owners with the new ECS 1Mb Agnus installed the ability to boot into either a NTSC or PAL environment. "Very" useful for both NTSC and PAL owners alike. Version 1.1, includes assembly source. Author: Nico François FF387, FF331

**NuHand** An animation of a hand with fingernails scraping on a desktop, including sound effects. An entry in the 1988 Badge Killer Demo Contest. Binary. By Bryan Carey Gallivan FF210

**Null** A new dos device that behaves like 'NIL,' but unlike 'NIL,' it is a real handler. It is useful in lots of situations where 'NIL,' cannot be used. V 0.0, with source. By Gunnar Nordmark FF188

**NumbersUp** A simple little game where numbers fly into the playing area from both sides of the screen. When you click the mouse but- ton they fly to the top of the screen and stick there. The score is determined by what numbers the current number lands near and the game ends when the same numbers end up adjacent to each other. Version 1.2 includes source. Author: Jason Lowe FF592

**OakLisp** A straight port of the OAKLISP system to the Amiga. OAKLISP is a Scheme-like LISP with an object-oriented base. An R3RS Scheme environment is included in the package. Because of its size, the distribution is made on two disks, 519 and 520. Both disks are required. Source is included. Author: Kevin Lang, Barak Pearlmutter, ported by Mike Meyer FF519 & FF520

**Oberon** A freely distributable demo version of a powerful Oberon compiler. Oberon is a modern, object oriented language developed by Prof. Dr. Niklaus Wirth of ETH Zürich in Switzerland as a successor to Modula-2. This single pass compiler creates standard Amiga object files, uses a large variety of optimizations to create fast code, supports writing of reentrant programs, allows you to call code from other languages like C and Assembler, etc. The package includes the compiler, an editor, a link utility, a program to display compilation errors and some demo programs. Version 1.16, binary only. Author: Fridtjof

Siebert FF380

**objfix** Makes Lattice C object file symbols visible to Wack, C program. In C source code and executable. AM1

**Observer** Working example for a Lattice LSR-program. Opens a small window and displays volume names of all inserted disks (DF0: through DF3:). Includes source in Lattice C. Author: Oliver Wagner FF378

**Obsess** Obsess-O-Matic is a real-time puzzle game like Tetrix where the object is to fit the falling pieces together to form complete horizontal rows. Features such as burning, exploding, and invisible pieces enhance game play. Other features such as a puzzle piece editor are included in the version available directly from the author. This is version 1.0, shareware, binary only. Author: Wayne Phillips FF305

**OctaMED** A music editor which was originally designed for making music for programs (demos, games, etc), but works well as a standalone music program as well. OctaMED is the 8-channel version of MED. This is a freely distributable release of the fully functional commercial version 2.0. Versions later than 2.0 remain commercial and are "not" freely redistributable at this time. Previous releases were version 1.0.0b on disk 579 and a demo of version 4.0 on disk 755. Binary only. Author: Teijo Kinnunen and Ray Burt-Frost FF840, FF755, FF579

**OctaMEDDemo** Player program and sample songs for OctaMED, a special version of MED that can play 8 tracks at once on a standard Amiga without extra hardware. The sound quality is not as high as with 4-channel sound but is good enough for many purposes. Binary only. Author: Amiganuts United FF533

**OctaMEDPlayer** Standalone player program for playing songs made with OctaMED. Can load sng-samples-format and MMD0/MMD1-modules made with MED V2.10 or later, or any version of OctaMED. Can play standard four channel Amiga songs, MIDI songs, 5 to 8 channel OctaMED songs, and multi-modules. Has a nice 2.0 look and works fine under 2.0 as well as 1.3. Binary only. Author: Teijo Kinnunen and AMIGANUTS UNITED FF819, FF698

**Octothello** An octhelo type game, but played on an octagonal board. There are hundreds of variations to the game, with resizable boards, different corner shapes, and a play to lose mode. Shareware, binary only. Author: PC Solutions FF721

**Offender** Demo version of a fast shoot'em up game based on Williams' Defender game. Runs at 50/60 frames per second. Includes PAL and NTSC versions. Kickstart 2.04 compatible. Requires 68020 CPU and 68881 FPU or better. Shareware, binary only. Full version and/or source code available with shareware payment. Author: Fred Bayer FF673, FF631

**Oing** Displays a window full of little bouncing balls. By Leo Schwab FF33

**Oing, Sproing, yaBoing, Zoing** are sprite-based Boing! style demos. din C source code and executable. Documentation included. AM14

**Okidata ML-92** Printer driver for the Okidata ML-92. AM9

**OkidataDump** Okidata ML92 driver and WorkBench screen dump program. Does both alpha and graphics. Untested (I don't have the printer). Author: Raimund Gluecker FF15

**OldMan** Shades of Santa digitized in an IFF picture. AM7

**OmtiFroh** A very small 'mini-hack' that allows Enforcer to be used with some specific SCSI controllers that don't bind an AutoConfig node into the ExpansionList. Enforcer registers the accesses to the hardware at 0xe0000 as 'hits'. This little gem will create the AutoConfig node for you. Includes source. Author: Henning Schmiedehausen FF778

**On Your Alert:** Using the system's alerts from AmigaBASIC. Author: John F. Wiederhirn AC4

**one.window** Produces a window with a console attached. Does graphics in the top half and limits the console activity to the lower half. Author: Rob Pock 12/18/85 FF5

**OneKey** A 1.3/2.0 compatible input handler for people who can only press (or cause to be pressed) one keyboard key at a time. OneKey gathers individually pressed qualifier keys (shift, alt, control, etc) and then applies them to the next non-qualifier key that is pressed. This is version 36.11, includes source. Author: Carolyn Scheppner FF511

**OnePlane** Removes the highest number bitplane from the WorkBench screen. Normally used to take Workbench screen from 2 bitplanes to 1 bitplane. This allows COM: style devices to scroll text faster. Includes source. By Ethan Dicks FF329

**OnlyAmiga** This animation is lqbal's entry to the Badge Killer Demo Contest. It consists of tre balls being juggled by pyramids rotating on their tops. Author: lqbal Singh Hans FF126

**OnlyAmiga** This demo is Rob's entry to the 1989 BADGE Killer Demo Contest, where it won 9th place. It demonstrates sound, multitasking, HAM color, the blitter, and more. Binary only. Author: Rob Pock FF268

**OnTime** Holds up a task until a given time and then releases it to run. Version 1.0a, binary only, source available from author. Author: Patrick Evans FF448

**OOPS!** Tired of the monochrome background color of your Workbench or CLi? Then try this colorful screen hack to brighten things up! Includes source. Author: Joerg Anslif FF156

**OPSSc** OPSSc is a compiler for the expert system language OPSS. The compiler takes OPSS source code as input and creates a C source code file to be compiled to create an executable. Arbitrary C code may be linked with the executable and executed as a result of firing rules. The system's strong point is its speed and as a result it sometimes has large executables and large memory requirements. At least 1 Meg. of memory is suggested. Binaries only for compiler and run-time library. Version 1.08a. Requires a C compiler. Authors: Bernie J. Lofaso, Jr, Dan Miranker and Arun Chandra. FF358

**Optical** Draw several optical illusions. ABASIC program. AM1

**optimize** An optimization example from an AC article, in AmigaBASIC. AM11

**Optimizer** A disk optimizer that works on floppy disks, hard disks, and ram disks. It is designed to provide safe optimization, moving only one block at a time. Version 1.0, freeware, binary only. Author: Tim Stolemeyer FF519

**OptMouse** A program which allows you to use a Mouse Systems M3 serial mouse on the Amiga and instructions which allow a serial mouse to be modified to plug directly into the Amiga mouse port. Useful as an example of how to 'fake' mouse movements and may be of use in writing drivers for digitizers, light pens, and the like. Includes source. Author: Ed Hanway FF445

**Opus8** A program to convert Macintosh 8-bit sounds to Amiga 8SVX format. Includes source in PCQ Pascal. Author: John A. Safranek FF586

**Orbit** Plots the ground trace of satellites on a map of the earth, using the orbital elements for some 130 satellites, from a list which is updated every two weeks on Compuserve. Version 1.2, binary only. Author: Timothy Middendorf FF289

**organ mInor chord** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Orthello** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**OSK** A software keyboard, which allows you to type using the mouse. Can be made to send keystrokes to any window, and can be iconified. This is version 1.2, an update to the version on disk 287. Binary only. Author: Jonathan Potter FF412, FF287

**Othello** An AmigaBASIC Program of the oriental game known as 'go'. AM8

**Othello** Another game in ABASIC by the author of Monopoly. Author: David Addison FF28, AM1

**Othello** Othello game, binary only. By Matthew Bellew FF90

**OverScan** Patches the intuition library so that sizable windows with MaxHeight of 200 (400 in interface) and screens with Height of 200 (400 in interface) will take advantage of the PAL overscan capability of intuition V1.2. This seems to be useful only for European users that wish to run software written for the American market, without modifying the applications, but still using the additional space. Includes source. Author: An Freund FF133

**OwnDevUnit** A package that provides an extended locking mechanism for a device/unit pair that makes using programs like getty much easier. Getty is a program that sits on the serial port waiting for calls to come in. By using OwnDevUnit.library, a program can request that getty temporarily release the serial port. Includes source. Author: Christopher Wichura FF650, FF577

**ownlib.asm** Example of making your own library in Assembly with Lattice. C program. AM4

**ownlib.c,** Example of making your own library in C with Lattice. C program. AM4

**P-Animate** A full 3D Animation program for producing animations in Anims format, with emphasis on live characters rather than inanimate objects. Can also be used to produce animated illustrations for use in P-Reader illustrated texts. Version 2.1, freeware, binary only. Author: Chas A Wyndham FF650

**P-Compress** A compression program that produces smaller files faster than any other current general-purpose cruncher, using LZH compression algorithms. Can handle single files, whole drawers, disks, or selected files or types of files within drawers and disks. Includes compression and decompression object files which can be linked to your own programs to allow them to access and output data in LZH format. Freeware, binary only. Author: Chas A. Wyndham, LZH code by Barthel/Krekel FF760, FF650, FF595

**P-FixLib** A new P-Suite utility that diverts calls to DOS library so that P-Compressed files are decompressed before being opened or executed. Any type of file, including icons, executables, libraries, fonts, texts, etc. may be compressed. Effectively doubles the capacity of your disks. Version 1.2, freeware, binary only. Author: Chas A. Wyndham FF650

**P-Index** A program for creating active index/selector pages to replace the normal window/icon display. Appearance of pages is only limited by the capabilities of your paint program and your imagination. Index lines can be shown as arrays of boxes (as with current 'selector' programs), or as icon look-alikes, or anything else you fancy, with normally a large saving in disk space. Freeware, binary only. Author: Chas A. Wyndham FF744, FF726

**P-Reader** An all purpose reader that displays texts, pictures, animations and sounds, which may be uncompressed or compressed with P-Compress. Texts can include embedded static or animated illustrations and sounds. This is version 6.2, an update to version 5.2 on disk 595. Freeware, binary only. Author: Chas A. Wyndham FF744, FF726, FF595

**P-Writer** A text editor with special facilities for inserting text color and style changes and for preparing illustrated texts for P-Reader. Version 3.3, an update to version 3.2 on disk 595. Freeware, binary only. Author: Chas A. Wyndham FF674, FF595

**P2C** P2C is a tool for translating Pascal programs into C. It handles the following Pascal dialects: HP Pascal, Turbo/UCSD Pascal, DEC VAX Pascal, Oregon Software Pascal/2, Macintosh Programmer's Workshop Pascal, Sun/Berkeley Pascal. Modula-2 syntax is also supported. Most reasonable Pascal programs are converted into fully functional C which will compile and run with no further modifications. V.113 Includes source. By Dave Gillespie, Amiga port by G. R. (Fred) Walter FF341

**Paccer** A pacman clone with sound and a game screen editor. V1.0, shareware, binary only. Author: Dirk Hoffman

| Table of Contents                    |
|--------------------------------------|
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

FF223

**PackProgram** to strip extraneous whites pace from C programs or header files. Can be used to condense the C compiler header files to free up disk space. Author: Jeff Dickson FF20

**Pack-It** Pack-it will take all the files and directories on a disk and pack them into a single file for electronic transmission via modem. Binary only, shareware. Author: Gary Kemper FF103

**PacketSupport** A link library, for use with Lattice C, providing a few functions to handle DOS packet postage. Includes source. Author: Oliver Wagner FF346

**PacMan** A pacman type game with 20 levels, 5 bonus levels, and extra tools. Automatically adjusts to either PAL or NTSC. Can be controlled with a joystick, mouse, or keyboard. Written in assembly. Version 1.1A, shareware, binary only. Author: Edgar M. Vigdal FF717

**PacMan87**This is a nice little 'pacman like' game with some new features like fire pits, stabbing knives, electric arcs and flame throwers, that must be avoided. Has three levels of difficulty, easy, medium, and hard. Sounds can be toggled on or off. Keeps a record of the top ten scores. Shareware, binary only. Author: Steve Jacobs and Jim Boyd FF192

**PageCnt**Counts and displays the number of form feeds in a file, along with the length of the longest line. Version 1.0, includes source. Author: Joel Swank FF304

**PagePrint** Prints text files with date/time header, page breaks, and line numbers. Suggested \$10 donation. By Phil Mercurio FF40

**Pager** A program to number lines and pages for various kinds of text. It uses printf style formattings and has a lot of cli options, including lines per page, multiple sources, quiet option etc. Requires AmigaDOS 2.04 or higher. This is version 1.00, freeware, binary only. Author: Hans-Peter Guenther FF824

**PageSetter** Freely distributable versions of the updated PagePrint and PageFF programs for the PageSetter desktop publishing package. AM18

**PaintA** simple screen painting program, written in web. Requires web preprocessing program to rebuild from source. Includes source in web. Author: Greg Lee FF128

**PaintBox** Simple paint program. ABASIC program. AM1

**PaintCan.pic** The PaintCan in an IFF picture. AM6

**PaintJet** An 'official' Hewlett Packard PaintJet printer driver received directly from HP sources. Author: Unknown FF129

**Pal** A small utility to help applications open their own PAL screen on an NTSC Amiga with ECS. It requires Workbench 2.0. In-cludes sources in C and assembly. Author: Eric Gontier FF742

**Palette** A tool which allows you to change another program's custom screen colors. This is version 1.1. New features include checks for WorkBench startups, checks for HAM, Half Brite, or more than five bitplanes, and more graceful exits. Includes source in assembly. Author: Randy Jouett, CJ Fruge, Carolyn Scheppner, Charlie Heath FF330, FF55, FF1

**PaletteReq** An easy way to set the palette of any screen from your program. Includes source. by: JonathanPotter FF242

**PalTest** Example code of how to determine dynamically whether or not you are running on a PAL machine. Includes source. Author: Christof Bonnrich FF87

**Panasonic KX-P10xx** Printer driver for the Panasonic KX-P10xx family of printers. AM9

**Panl** A universal MIDI patch panel that allows MIDI parameter info to be sent from the Amiga to any MIDI device that can accept param info Version 1.2, binary only. By David Weinbach FF82

**PaperBack** Allows the user to generate a double sided document from a single sided one. Two output documents are created: an ODDS set and an EVENS set. The odds set can be printed on single sheet or tractor feed paper, reversed and re-inserted in the printer, then the even set can be printed on the reverse side. Page sizes are all fully editable by the user, along with cer- tain other parameters. Handles predefined page breaks elo- quently. Saves paper, and storage space. Requires kickstart 1.3 or 2.0 to operate. V2.004, freeware, binary only. Author: Bob Rye FF749

**Paragon** A two player game where the object is to build a given crown (a pattern of 5 stones) on the playboard. Includes source in AMOS. Author: Volker Stepprath FF600

**parallel** Demonstrates access to the parallel port. Author: Tom Pohorsky FF5

**parallel** Text, parallel port spec. AM5

**Paranoids**An asylum escape game. Paranoids is a traditional board game played by drawing cards, rolling dice, and moving pieces around the board. Each player has six pieces, four patients and two doctors. The object of the game is to get all of your patients out of the asylum. This is version 1.0, binary only. Author: Richard Anderson and Gary Teachout FF250

**paratest.c** tests parallel port commands. C program. AM4

**ParM**Parameterable Menu. ParM allows you to build menus to run any program in either in WorkBench or CLI mode. This is an alternative to MyMenu which can run only when WorkBench is loaded. ParM can have it's own little window, can attach menus to the CLI window you are running it from, or to the WB menus, just like MyMenu. Versions 3.6 & 4.3, an update to version 3.6 on disk 649. Binary only. Author: Sylvain Rougier and Pierre Carrette FF843, FF649, FF419, FF375

**ParNet**The Software Distillery's NET: file system using Matt Dillon's parallel port code. Using a special DB25 cable, two Amigas can be connected via the parallel port. One Amiga can mount the other as a device and read/write the files as if they were local. Version 2.4, binary only. Author: Doug Walker, John Toebes, Matt Dillon FF400

**ParOut** Shows how to allocate and communicate directly

with the parallel port hardware from an assembly language program. With source. By Jeff Glatt (original code by Phillip Lindsay) FF237, FF73

**Parse** A recursive descent expression parser that parses expressions, computes the expression value, and prints it. Includes support for some built in transcendental functions. Includes source in C. Author: John Olsen FF92

**Parse** A simple keyword command line parsing routine. Supports mixed case and unambiguous abbreviations in the command line. The parse routine can be used to add keyword control to any pro- gram in an easy manner. Version 1.2 includes C source. Author: Andrew Martin SciTech Software FF598

**Parsnag** A program to aid in performing color separations on Epson JX-80 printers. Includes source. By John Hodgson FF165

**ParTask** Example program for finding the parent task of your current task. Includes source. Author: Andy Rachmat FF79

**PascalToC** A Pascal to C translator program which is supposed to correctly handle function, procedure, and most type declarations. However, this quick and dirty port didn't fare too well on even a simple little Pascal fragment from Software Tools in Pascal. I don't know if the problem is machine dependencies in the code or bugs. Looks like it could be useful with a little more work than I have time to put into it now. Includes source. Author: James Mullens, enhancements by Dan Kegel FF65

**PassWord**A little password program, not intended to give protection against professional hackers but more like keeping little sisters and/or friends from using your system without your permission. This is the first release version 0.1. OS 1.3 and 2.xx, freeware, binary only. Author: Hans-Peter Guenther FF761

**Password** A program to password protect an AutoBooting HD based system. Supports a list of authorized users and their passwords. Version 1.0, binary only. Author: Malcolm Harvey FF804

**Password** A program which enhances your computers security by making it complicated enough that users without your password will get discouraged trying to boot and use your system. This should keep out most casual or nontechnical users. Version 1.42p, binary only. Author: George Kerber FF365, FF243

**Paste** A version of the UNIX paste utility. Paste concatenates corresponding lines of the specified files into a single output line (horizontal or parallel merging) or concatenates them into alternate lines (vertical or serial merging). Includes source. Author: David Ihnat FF136

**Patch** A port of the very useful UNIX utility which applies context diffs to text files to automatically update them. This is a port of version 2.0.1.6 (patch level 12), which Eric has dubbed Amiga version 1.0. Includes source. Author: Larry Wall, Amiga port by Eric Green FF296, FF129, FF13

**PatchCompiler** A program to generate patches using a Pascal like language to describe what needs to be patched. This is version 1.0. Includes source in assembly. Author: Roger Fischlin FF437

**PatchLace** A commodity for Workbench 2.0 that makes all interlaced screens open in NTSC mode, thereby reducing flicker. Requires Kickstart 2.0 or higher. Binary only. Author: Martin W. Scott FF742

**PatchLoadSeg** This program patches the loadseg routine to automatically detect link viruses when a program is loaded. Displays an alert when a virus is detected in a program being loaded for execution. Version 1.20, includes source. Author: Pieter van Leuven FF331

**PatchMan** An editor for the Roland JD-800 programmable synthesizer. You can receive/transmit/save/load single patches, the special setup, all internal patches, 'ALL'-datas, set parameters for the three effect systems used in Multi mode and edit the var- ious port parameters. Version 1.0, binary only. Author: Michael Fuchs FF728

**PatchNTSC** OS fix to allow the growing number of PAL display programs to be run on NTSC machines. Will patch the Intuition OpenScreen() function to assure screens with PAL height to be opened in interface mode. Includes source in assembler. Author: Oliver Wagner FF346

**PatchOS** Enhances OS 2.04 with three new features: keyboard-shortcuts for menus while a string-gadget is active, use of the star (\*) in AmigaDOS pattern matching and input of any char by typing its ASCII-code on the numeric pad. Requires at least AmigaOS 2.04. Implemented as a commodity. Version 1.00. Includes documentation in german and english language. Author: Hartmut Stein / Bernstein Zirkel Softworks FF706

**PatchReq** A patch for system requesters and arp file requester. Replace arp file requester with the great req library file requester. Patches AutoRequest() for requesters to appear under the mouse and more. Version 1.4. Includes source in C. Authors: Sylvain Rougier, Pierre Carrette FF540

**PatEdit** A pattern editor for creating patterns to input to the Amiga SetAIPt macro call. This call sets the area fill pattern for the area filling graphics calls such as RectFill, AreaDraw, etc. Includes source. Author: Don Hyde FF130

**Path** An interesting concept in path-searching. This program contains a path-handler that allows you to selectively control or assign your system's search path using script files. Includes source. Author: Rico Mariani FF177

**PathMaster** A file requester with lots of features. Can be easily configured by the programmer to suit a variety of applications. Includes source. Author: Justin McCormick FF245

**Pattern** A shared library which matches AmigaDOS patterns with strings and converts strings into uppercase or lowercase including umlauts. The library works with Kickstart V1.2 and higher and the pattern matching routines are compatible with ARP and AmigaDOS 2.0 pattern matching. An ARexx function library is also available. One of the external programs included in this

package is pgrep version 0.4 a small grep command that finds a string or an AmigaDOS pattern in one or several files or in stdin (default). Version 5.0 freeware binary only. Author: Angela Schmidt FF625

**PatternLib** A sharable library which implements AmigaDOS pattern matching, and a program that compiles 'fd' files into library headers and interface stubs. Includes source in Draco. Author: Chris Gray (?), posted on BIX by Jeff White FF254

**Pauky** Demo version of an English to German (and vice versa) word translation trainer. Version 1.2, binary only. Author: David Wetzel FF498

**PaulCopy** A single drive disk copier for Amigas with 1MB of RAM. Copies the source disk completely into memory in one go. Will also work with 512K Amigas, yet will require multiple disk swaps. Version II, includes assembly source. Author: Paul Hayter FF537

**PBar**An editor to change the pattern in the windows drag bar and save the pattern as an executable file with an icon looking like the pattern. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**PBlanker** An enhanced Workbench 2.0 commodity, replacing 'Blanker'. Can blank screen and mouse pointer separately. This is version 37.04. Needs Kickstart 37.xx. Binary only. Author: Bernd Preusing FF536

**PBlanky** An ultra tiny Screen-Blanker/Mouse-Blanker/ Mouse-Accelerator thingy. Is about 700 bytes and doesn't have to be RUN. Version 1.3, includes assembly source. Author: Paul Hayter FF537

**PC Printer Controller** Sends escape codes to the printer according to ANSI standards to aid using various capabilities of the printer. Intuition interface, runs from both the WorkBench and CLI. Includes source in assembly. Author: Kamran Karimi FF757

**PCalender** A little calendar program which lets you look through years and months using the arrow-keys. Version 1.0. includes source in assembler. Author: Preben Nielsen FF396

**PCBTool** An early version of a shareware PC Board layout program Lots of options including variable size pads and traces, grids, grid snap, layers, zoom, selectable centering, text and more. This version does not support printer/ plotter drivers or libraries. Version 2.6, binary only. Author: George Vokalek FF158

**PCExecute** A little program that allows you to execute programs on a bridge-board without opening a PC window. Includes source. Author: Peter Vorwerk FF610

**PCKeyMap** This program uses an InputEventHandler to manipulate the backslash (\) and some other useful keys in order to better emulate an XT/AT keyboard on the German Amiga keyboard (which is missing the backslash and some other keys). This is version 1.0. Includes source. Author: Peter Vorwerk FF509

**PClock** A little clock program which shows the time and the available CHIP and FAST memory. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**PCMenu**Control your pulldown menus from the keyboard using the arrow keys or 'first letter matching'. Multiple selections made with Shift-Return. Remembers and returns to previous menu items. Completely configurable. This is version 1.5. Binary only. Author: Brian Moats FF624

**PCcompress** A gimmick free and very easy to use program for most com- pression requirements. Uses the latest LZH compression algorithms and aims at the optimum mix of efficiency/speed/ memory usage. Can handle single files whose drawers disks or selected files or types of file within drawers and disks. In PACK mode it can consolidate files into less space than whole-disk compression tools or archivers. Version 5.1 binary only. Author: Chas A.Wyndham LZW code by Barthel/Krekel FF565

**Pcopy** An intuition based disk copier for AmigaDOS disks featuring high speed diskcopy with write verify, data recovery from damaged tracks, full multitasking compatibility, and a user friendly interface. This is version 2.12, an update to version 2.11 on disk 383, with new data recovery routines and some bug fixes. Binary only. Author: Dirk Reigis FF402, FF383, FF243, FF151

**PcPatch** Patches for PCcopy and PCFormat from the EXTRAS disk, to allow reading, writing, and formatting of any kind of MS-Dos style disks, including 720K 3.5 diskettes. Binary only. Author: Werner Guenther FF218, FF163

**PCQ** An update to PCQ from disk 503. This is only a partial distribution and includes just the compiler main pass, the documentation, and a ReadMe file. You need the distribtion from disk 503 to use this material. Author: Patrick Quaid FF511, FF503, FF339, FF183

**PCStatus** Bridgeboard user's program that displays the status of the CAPS, NUM, INS, and SCROLL keys in a separate window on every PC screen. Also, both the Amiga and the PC will use the same status of the Caps Lock key. Version 2.0, shareware, binary only. Author: Alexander Hagen FF411

**PCTask** PC-Task is a software IBM-PC emulator. It allows you to run the majority of IBM-PC software on your amiga with no additional hardware. Runs just like a normal application allowing multitasking to continue. The program has a graphical user interface and no additional filesystem/ device mounting is required. A few clicks with the mouse and it is operational. CGA, MDA, Serial, Parallel, Mouse, 2 Floppy drives and 2 Hard drives are emulated. The hard drives can be partitions or hard drive files like the bridgeboard can use. This is demonstration version 1.04. Full version is available from the author. Binary only. Author: Chris Hames FF643

**PcView** Provides the PC community with the opportunity to display IFF pictures to the best of EGA's ability. Displays Amiga pics, IBM-PC Deluxe Paint Pics, Apple II-GS Deluxe Paint Pics, and others in the IFF standard format. Includes source. Author: John Hodgson FF164

**PDC** Publicly Distributable C (PDC) is a complete C

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compilation system including a compiler, assembler, linker, librarian, and numerous utilities, documentation files, libraries, and header files. PDC supports many ANSI features including all ANSI preprocessor directives, function prototyping, structure passing and assignment. In addition it supports Lattice C compatible libcal pragmas, precompiled header files, builtin functions, and stack checking code. This is version 3.33 and includes full source. Author: Lionel Hummel, Paul Petersen, et al. FF351

**Pdc** An optimizing C compiler for the 68000 processor. Major porting work was done by Jeff Lydiatt to get it to the point where it would compile and execute simple programs on the Amiga. This version now generates metacomco-compatible assembler source code, which can be assembled by the assembler also provided on this disk and then linked by the freely redistributable linker 'blink' (also provided), includes all compiler source and some library and startup source code. Requires amiga.lib from developers kit to generate complete running example executables. Author: Matthew Brandt; major porting work by Jeff Lydiatt. FF110

**PDScreen Dump** C program which dumps Rastport of highest screen to printer. AM8

**pdterm** A simple terminal emulator that does ANSI or DEC VT-100 emulation in 80 cols by 25 lines. Version 1.21. Author: Michael McInerney FF14

**PearlFont** A font similar to Topaz, but with smoothed out edges and more rounded characters. Author: Michael Portuesi FF61

**PED** A source text editor which supports all important standard editor commands. It accepts mouse and keyboard commands, and will run from CLI and from Workbench. PED doesn't use the op-erating system for outputs and scrolls very fast. Version 2.30, binary only. Author: Frank Wille FF749

**Pemacc** Microemacs as enhanced by Andy Poggio. New features include use of <ALT> keys as Meta keys, default buffers on buffer switch, mouse support, higher priority to improve interactive response, creation of backup files, paragraph fill, word wrap, query replace, and support for function keys Author: Dave Conroy, enhancements by Daniel Lawrence FF22

**pema** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**PennyWise** An easy to use, flexible cashbook program using an Amiga Intuition interface. It can be used to keep track of the financial transactions of a cheque, bank, business, or similar account. Shareware, binary only. Author: Pierre A du Parte FF273

**PenPalFont** A font which will make your six year old feel right at home in a CLI window. Cute. Author: Burton Ogden FF73

**people talking** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**PeopleCable** IFF picture resembling an old BYTE cover. AM7

**Pere-et-Fils** Examples of creating and using reentrant processes. Includes source. Author: Jean-Michel Forgeas FF105

**PerfectSound** Perfect Sound demo, with a sound editor and sample sound files. Looks very nice. Author: Anthony Wood FF50

**PerfMonitor** A small tool to show the CPU usage of each task. Kickstart 1.3/2.04 compatible. Version 1.0, binary only. Author: Tom Kroener FF740

**Perl** Practical Extraction and Report Language, an interpreted language optimized for scanning arbitrary text files, extracting information from those text files, and printing reports based on that information. Author: Larry Wall FF161

**PersMalt** Demo version of shareware personal/personnel file manager. Includes list processing, capability to run mailing labels, mail merge output feature, and more. Demo version is binary only and limited to input mode. Suggested donation of \$24 for the 'real' version. Author: Breen and Associates FF67

**PetCLI** An AmigaBASIC program that allows editing in CLI command lines (similar to the PET and MYCLI). Includes source. Author: Peter Kitlei FF71

**PetersQuest** This cute game has you the intrepid Peter following a trail of hearts through a world of 20 levels riddled with porcupines and other hazards to rescue Daphne the love of your life that has been kidnapped by the evil Brutus. Includes digitized sound and colorful graphics. Version 1.2 an update to version 1.0 on disk 224. New features include super speed super jump rocket pack and more. Binary only. Author: David Meny FF577, FF224

**PETran** translates PET ASCII files to ASCII files. In C source code and executable. Documentation included. AM14

**PeX** A demo of the various graphics capabilities of the Amiga. Author: Unknown (no documentation included) PictureGarden Another demo, apparently in compiled basic. Author: Unknown (no documentation included) FF206

**PF** A CLI/Workbench interface to control an Hewlett-Packard DeskJet 500 printer, enabling the user to select an internal font and to print one or more files, or to initialize the printer. Version 2.10, includes source (SAS-C) Author: Maurizio Loreti FF539

**PFlifer** A very good and small file requester to link onto your own programs. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**PgmToShd** Takes a standard PGM format graphics image and creates from it a PPM image containing information to view black and white images in 151 shades of gray instead of the Amiga's standard 16. It uses the monochrome composite video output jack available on the Amiga 500

and 2000, so provided you have one of these computers and a monitor capable of receiving its input through composite video, no modifications are required to the Amiga. The PBMPlus library of graphics manipulation routines is required to make use of this program, as well as a standard IFF viewer such as Mostra. A sample test image is included. This is version 1.0, binary only. Author: Dan Charrois FF694

**Phone** A funny strategy game. Your goal is to connect everyone to the phone system without running out of wire. The country in which these people live is full of high mountains, deep rivers, and highly frequented roads, so connecting everyone up may not be easy. Binary only. Author: Tobias Eckert FF689

**PhoneGram** Generates text from phone numbers. Attempts to find all three and four letter words encoded by any phone number. Graphic keypad display with sound. Version 1.01, binary only. Author: Martin C. Kees FF516

**PhxAss** A MCG8000 Macro Assembler which supports includes, incbins, small data and small code model, optimization, 12 arithmetic operations, relocatable and absolute code, floating point equates and nearly all standard assembler directives. PhxAss can be used from CLI only. Version 2.11, binary only. Author: Frank Wille FF749

**PhxLnk** An Amiga DOS Linker which is very small (7 KB) and processes the small-code/data model. It does not support overlay hunks in the current version. PhxLnk can be used from CLI only. This is version 1.27, binary only. Author: Frank Wille FF749

**Piano** Simple piano sound program. AM21

**PicBase** A program that allows the user to organize and manage all IFF images and brushes stored on disk. Displays a miniature monochrome (8 or 16 level) image of each file, with information such as the full pathname, the creation date, file size, image size and depth, display mode, and filename. The images are displayed four at a time and can be scrolled in realtime, manually or automatically sorted, presented as a slideshow, and more. Version 0.36, shareware, binary only. Author: Mike Berro FF527

**PickFile** A random generated executor. It uses a file, or optionally a directory, to start the given commandline which the selection. Can be easily used for slideshows, wbpattern, font, wbpicture changes. Any IJ's will be exchanged with the selection. Includes examples. Requires AmigaDOS 2.04 or higher. This is version 1.00, freeware, binary only. Author: Hans-Peter Guenther FF827

**PickPacket** PickPacket gives you a visual display of the DosPacket structures that are sent to handlers, and lets you see the results. You can actually perform handler operations such as open files, read or write data, Examine or ExNext locks, and so forth, all by talking directly to the file system handler involved using PickPacket. V1.0, with source. Authors: John Toebes and Doug Walker FF227

**PicPak** A package of general purpose picture loading and manipulation functions including IFF ILBM loading ViewPort color control (including fades and color cycling) and frames. Will also load and display SHAM images. Version 1.3c includes source. Author: Paul Miller FF593

**Pics** Some miscellaneous pictures with a cartoon theme. Author: Bob McKain FF394

**PicSaver** A small utility that allows you cut rectangular portions of any screen and store them on disk as IFF ILBM files. Also allows easy saving of windows and entire screens to disk. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**PicToANSI** Converts a one bit plane 320x200 IFF picture to a file that displays the picture on any ANSI compatible terminal. Binary only, source available from author. Author: Patrick Evans FF448

**PictSaver** A small utility that allows you cut rectangular portions of any screen and store them on disk as IFF-ILBM files. Also allows easy saving of windows and entire screens to disk. This is version 2.4 an update to version 2.0 on disk 543. Binary only. Author: Preben Nielsen FF593, FF543

**PictureEditor** An 'object-oriented' paint program that allows you to create, modify, load, and save hierarchical structured picture objects. Version 1.12, shareware, binary only. Author: Hans W. Stremiau FF464

**Pictures** Miscellaneous pictures selected from dozens of pictures that have come my way since the last full art disk. Author: Rich Payne, Grace Rohls, and others. FF45, FF11

**Pictures:** IFF pictures from past Amazing Computing issues. AC11

**PigLatin** Tired of the 'say' command? This one will translate and speak your input in pig latin! Author: Thomas Clement FF18

**pigs** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Pilot** An implementation of the PILOT language for the Amiga, including a demo done for the National Park Service. PILOT is a limited use language for use in educational and computer based instruction programs. Binary only with Beta test kit available from authors. Author: Terry LaGrone FF150

**PinballConstrSet.pic** A screen from Pinball Contruction Set in an IFF picture. AM6

**Pinfocom** A portable Infocom standard series game file interpreter that can also analyze any Infocom game file and display vocabulary lists, object trees, etc. Has many informative and debugging options that can be enabled at runtime. Includes extensive documentation, sound and proportional sound support, and many Amiga specific features. This is version 3.00, Amiga release 2.34. Includes source in C. Authors: InfoTaskForce & Paul D. Smith; port by Olaf Barthel FF834

**pinwheel** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. It is not certain whether

which of the two early basics this program used. FF13

**pipe organ** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**PipeDevice** A working 'pipe' device, which allows the standard output of one process to be fed to the standard input of another process, with both processes running concurrently. Author: Matt Dillon FF55

**PipeHandler** An AmigaDOS pipe device which supports OPEN, CLOSE, READ, WRITE, LOCK, EXAMINE, and EXNEXT. Thus you can have 'named pipes'. It also supports 'taps' on a pipe, to capture all data flowing through the pipe. Version 1.2, includes source. Author: Ed Puckett FF84

**Pipeline** A game like the commercial game 'Pipe dream' (Pipe mania). Needs a joystick. High scores are saved to disk. This is version 2.0, an update to version 1.0 on disk 358. Includes source in assembly language. Author: André Wichmann FF656, FF358

**PKAZip** The PKWare ZIP tool for the Amiga. Provides functions to create, examine, extract, test, modify, display, and print files which are in the ZIP compressed format Uses a full Intuition interface with no CLI support. This is version 1.01, Binary, By PKWARE Inc, Amiga version by Dennis Hoffman FF318, FF311

**PKludge** A mode promotion commodity for AmigaDos 3.0. It allows any mode to be promoted to any other mode. Mode promotion keyed from the screen name or title, and resizing and moving screens during mode promotion. It is useful to 1) promote all screens to a single scan rate to avoid re-synching on multisync monitors during screen flipping, 2) use 800x600 or higher resolutions with some applications which don't know how to open those screens but can otherwise handle bigger screen sizes, 3) use PAL:Productivity 640x400 mode instead of DBIntESC:High Res Lace mode, since the productivity mode tends to be more visible on some Amiga 4000's. Version 1.0, binary only. Author: Steve Koren FF771

**Planets** A pair of programs to calculate the positions of the planets and the moon (as viewed from a specific point on the earth), for an arbitrary date and time. This is version 1.1, an up- date to version 1.0 on disk 321. Includes source. Author: Keith Brandt VIII, Jim Cobb, F. T. Mendenhall, Alan Paeth, Petri Launlainen, Bob Leivian. FF709, FF321

**PlansDemo** Demo version of a drawing program with user definable fonts over 32000 named lockable layers definable screen resolution hierarchical parts and grouping importing of HPGL plot files multiple simultaneously loaded drawings many print options fully programmable plotter support 38 mouse drawing modes over 22 numerical object creation modes 53 editing modes rulers crosshairs grid bezier curves and more. This is version 2.1 binary only. Author: Gary Hale FF633

**Plasma** A Plasma Cloud Generator for V39 AGA machines only. This program will generate Fractal images called Plasma Clouds, using the AGA 256 color modes with full use of the 24 bit palette. Includes source. Author: Roger Uzun FF779, FF573, FF285

**PlaySound** A tool to replay IFF-8SVX sounds using double-buffering while the sound file is being loaded from disk. Also serves as an Iffparse.library and audio.device programming example. Re- quires Kickstart and Workbench 2.04 (or higher). Version 1.1, includes source in 'C'. Author: Olaf 'Olsen' Barthel FF684

**Plot** Short, simple, no-frills IFF reader program, and a sample picture made using a ray tracing algorithm. Author: Jim Kent FF35

**Plot** A 3-D function plotting program with provisions for coordinate translation on both axes, parametric equations, and standardized notation of the pow function (x^y — which now works as specified.). This is version 5.1, an update to version 4.1 on disk 175, with some enhancements and bug fixes. Binary only. Author: Terry Gintz FF389, FF175, FF49

**Plot** A package for making 2D and 3D plots conveniently. AG Baxter wrote the intuition interface program (Plot) and Tim Mooney wrote the MultiPlot and ThreeDPLOT programs, which are called from Plot. This is version 1.2 and includes source to Plot. Author: AG Baxter, Tim Mooney FF231

**Plot** A shareware 3D graphing program written in AmigaBASIC, with some sample output plots. Source available from author. Author: George Trepal FF121

**Plot6A** star plotting program. Short on documentation and user friendliness, but interesting. Includes source. By Darrin West FF85

**PlotData2D** Plots data onto a custom user defined screen and window, reading the plot and screen/window definitions, along with the X and Y data pairs, from a disk file. Supports linear, log-log, and semi-log axis plots. The data can be plotted with lines, symbols, or both. Includes numerous example plots. Version 1.0, includes source in Fortran. Author: Robert C. Singleterry Jr. FF288

**PlotLib** Another function plotter library with different display options in 2D 3D or Niveau. Easy to use functions allow you to write your own plot program. Output functions for screen and HPGL plotter. Demo program included. Works on Amiga and MSDOS. Includes source in C. Author: Silvano Oesch FF602

**PlotMap** PlotMap is a tool like DrawMap from Bryan Brown that draws a map of the world's surface. PM uses the same map files as DrawMap 4.0/4.1 but has several improvements: much faster, runs on 512 KB machines with just one floppy, more configurable, zoom box from a box map, definable screen mode, abortable drawing. This version requires OS 2.04. Version 0.85, first release. Includes source in C. Author: Thies Wellpott FF762

**Plotter** A program to plot math functions. This is V3.98 an update to version 3.71 on disk 376. Needs mttool.library (supplied). Freeware binary only. Author: Ruediger Dreier FF573, FF376

**PlotView** A couple of programs, Plotview and Plot2Am, for

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

viewing UNIX plot files. Also included are two sub-directories: Plot — a device independent plotting package for the Amiga, compatible with the UNIX plot subroutine package and Plot2Tek — converts UNIX plot format files to Tektronix 410x terminal graphic commands. Source included. Author: Joel Swank FF165

**Piplot** A library of C functions useful for scientific plotting on the Amiga. The library is Lattice C compatible. Contour plotting, three dimensional plotting, axis redefinition, log-log plotting and multiple subplots are a few of Piplot's features. The plots can be displayed on a monitor or sent to a graphics file for subsequent printing. This is version 2.6. This version includes a greatly improved intuition interface, preferences support for hardcopy, several new device drivers, and the capability of adding additional device drivers easily. Includes source. Author: Tony Richardson FF340, FF222

**PlusCR** Companion program to StripCR, it reverses the procedure. PlusCR produces a file ready for use on systems which require both the CR and LF characters to mark the end of a line (such as those running MS-DOS for example, includes source in assembly. Author: Bill Nelson FF237

**PLW** Phone-Line-Watcher. For users of Hayes compatible modems. Monitors the serial port and records all incoming calls. Allows a remote user to login, receive and leave a message, and transfer files via Zmodem in either direction. Two level DOS access, disabled DOS requestors and more. This is version 3.0, an update to version 2.8 on disk 372. New features include the ability to define external programs as menu options that can be executed by the remote user. Shareware, binary only. Author: Christian Fries FF402, FF372, FF363

**PMA** A tool that monitors the Amiga system's CPU usage using some hooks that are available in 2.04 EXEC. The program uses the high resolution Eclock timer to get real time values for the amount of time the processor spends running tasks and the amount of time it spends between tasks (in task switch and in sleep). Version 37.8, binary only. Author: Michael Sinz FF677

**pmA** Chart recorder performance indicator. AM11  
**Pmode** Very simple command line utility to send escape sequences to the printer to change print styles. Specifically tested a NEC P6 Plus, but it should work with many printers. Included source should make it easy to add/modify escape sequences. Author: Dario de Judicibus FF392

**Pogo** Another of Eric's cute animations. This one has Pogo and crew trying to hold a conversation with the beautiful Miss Mam'a'selle. Author: Eric Schwartz FF423

**Pointer** Use the SID sleepy pointer in your programs. Includes C source, a sample program, and modules that you can plug in to your C programs. Author: Timm Martin FF430

**pointerEd** Pointer and sprite editor AmigaBASIC program. AM11

**PointerLib** A disk based shared library which provides programmers with easy access to custom pointers and a consistent user selected busy pointer. Includes source. Author: Luke Wood FF446

**PointerX** Spins the hands of any pointer that looks like the standard AmigaDOS 2.0 Workbench 'busy' pointer (a clock). Will also work with any application that uses the same pointer. Includes source. Author: Steve Tibbett FF483

**PointToPoint** A board game where each player gets to alternately set one of his stones on the board until the last field is occupied. The goal of the game is to enclose as many stones of the opponent as possible. Version 1.1, shareware, binary only. Author: Manfred Kopp FF702

**Poker** A 'fair' version of a casino video poker machine in which a deck is dealt randomly. Regular casino rules apply. This is a variation of the version that appeared in the October 1992 of JUMPDISK, the Original Disk Magazine for the Amiga. Author: Richard Ramella FF848  
**PokerDemo** Demo version of some Solitaire card games from UnSane Creations. Includes Accordion, Calculation, Poker Solitaire, and SeaHaven Towers. Binary only. Author: Steve Francis FF403

**PolarView** A planet view in an IFF picture. AM6

**Police** Simple police siren sound. ABASIC program. AM1

**Poly** A polygon drawing demo using the Area Move, Area Draw, and Area End functions Author: John Olsen FF52

**Polydraw** A drawing program written in ABASIC. Author: David Addison FF15

**Polyfractals** A fractal program written in ABASIC. Author: David Addison FF15

**Polygon** A moire type pattern generator but with color cycling. Author: Terry Gintz FF49

**PolyRoot** Another Polynomial root-finder using the Newtonian algorithm. Nicely done in AmigaBASIC with good documentation file. Version 2.00. Author: Jon Giorgini FF164

**PolySiilCon** A centralized Shell Command Interface with visible scrollable History and mouse access. Allows multiple shells to be controlled from a single command/ history window. Commands can be re-executed with a mouse click. A group of commands for a project may be loaded into the history from a file for easy access. Compatible with both 1.3 and 2.0 AmigaDOS. ShareWare, binary only. Author: Pete Goodeve. FF504

**PolySys** An extended version of the 0L-system (string rewriting) described in The Science of Fractal Images (edited by Pietgen and Saupe). The basic algorithm has been expanded and modified extensively, and looping commands similar to those found in other Turtle graphics systems (Logo, etc) have been added. Support for three-dimensional drawing, with perspective, is also included. Version 1.0, binary only. Author: Terry Gintz FF389

**PongoDemo** Demo version of PONGO 1.1, a 3D dynamic modeling program that loads, animates and transforms 3D

objects in many different ways. This demo version only supports the IFF ANIM5 file format for animations, with the 'Save Image object' feature disabled. Supports the following types of morphing: Transcise, Taper, Shear, Rotate, Twist, Bend, Waves, Radial Bend and Metamorph. All transformations may be combined (i.e. you might both Twist and Shear an object at the same time). Requires 1 MB ram, and a PAL Amiga (does NOT run on NTSC computers). Author: Guido Quaroni, submitted by AMIGABYTE FF789

**Poor Man's Spreadsheet:** A simple spreadsheet program that demonstrates manipulating arrays. Author: Gerry L. Penrose. AC10

**PopArt** Intuition based image data generator and animator. Includes source. Author: Philip FF374

**PopCLI** Provides a simple way of starting another CLI at any time without having to load workbench or exit whatever program you may be using. Also has a built in screen saver mode that automatically blanks the Amiga console screen when there has been no input for a specified period of time. Version III with source. Author: John Toebes FF84, FF40, FF35, AM15, AM12

**PopColours** Lets you change the Red/Green/Blue components of any color register, on any screen currently in the system. Uses a movable window with slider gadgets. Very well done. Version 1.0, Nov. 1986. Author: Chris Zamara and Nick Sullivan F43

**PopDir** A small utility which 'pops open' to help you look at the contents of a particular directory on demand. Version 1.6 with source. Author: Jonathan Potter FF267, FF204

**PopInfo** A small utility which pops open to give you information about the status of your devices and memory. This is version 4.0, an update to version 3.0 on disk 242. Binary only. Author: Jonathan Potter FF412, FF242, FF223, FF204, FF172

**PopLife** A PopCLI type thingle that instead plays life all over your screen. Lots of bits and pieces from Tomas Rokicki's blitlab and John Toebes' PopCLI. Includes source. By Olaf Seibert FF11

**PopMenu** A set of functions for the setting up, drawing, and handling of pop-up menus that are affixed to windows. Clicking on the menu box area will open up the full menu, with the list of menu items inside. Source and a sample program included. Author: Paul Thomas Miller FF368

**PopScreen** A small hack to pop a hidden screen to the front from the CLI. This was written to allow the author to use VLTjr with other programs that also use custom screens. Source included. Author: Stephen Vermeulen. FF326

**PopulousKeys** Code words and options descriptions for all 495 words of Populous (TM Electronic Arts and Bullfrog Productions). All information was obtained by the author's excessive playing of Populous. Author: Kenneth Fuchs FF531

**PopUpMenu** A small program that makes it possible for you to use pop-up menus with any program that uses standard intuition menus. Version 5.0, an update to version 4.3 on disk 667. Includes source. Author: Martin Adrian FF756, FF667, FF422

**PopUpMenu** Example code implementing pop-up menus that are reasonably compatible with Intuition menus. Includes source. Author: Derek Zahn FF96

**Porsche** A Porsche in an IFF picture. AM6

**Port2** Sample C program showing how to control a mouse connected to the second mouse/joystick port. Executable creates a second mouse pointer that is controlled by a mouse plugged into port 2. Version 1.0, includes source. Author: Olaf Barthel FF371

**portar** Portable archiver. Used to bundle text file up into a single file for transmission as a unit, or otherwise handling as a single file. 'Portable' because the code itself is portable and because the archive format is very simple (uses ASCII headers to separate files). From Decus C distribution. Author: Martin Minow FF2

**PortHandler** A sample Port-Handler program that performs the functions of the standard Port-Handler. Shows what the BCPL environment looks like from the handler point of view Author: John Toebes VII FF20

**Post** An excellent PostScript interpreter for the Amiga which implements the full Adobe language. Supports type 1 and type 3 fonts, screen output, file output, and printer output. This is version 1.86enh, an update to version 1.7 on disk 669. In this enhanced version all AmigaDOS 1.3 compatibility has been removed to facilitate a better, more consistent user interface using GadTools menus and GadTools gadgets, full support for and use of ASL file requestors has been added, many bugs have been fixed, and the source has been upgraded to work with SAS C 6.x. Requires AmigaDOS 2.04 or later. Includes source. Author: Adrian Aylward, enhancements by Robert Poole FF828, FF669, FF518, FF468, FF446, FF408

**potgo.bmapone** of the necessary links between AmigaBASIC and the system libraries. AM8

**PowerData** Patches AmigaDOS, enabling all programs to read and write files packed with PowerPacker in way that is completely transparent to themselves and the system. Programs will read powerpacked datafiles directly, and will also magically start compressing their own datafiles, as they create or update them. This is version 38.115, an update to version 38.105 on disk 801. Partially localized for use with Workbench 2.1. Workbench 2.04+ only. Shareware, binary only. Author: Michael Berg FF841, FF801

**PowerLOGO** A powerful and versatile dialect of the LOGO programming language. Includes all of the support for word and list processing program code processing local variables global variables free variables recursion tail recursion etc that you expect from LOGO. Also includes support for demons while loops menus screens windows window graphics turtle graphics reading and writing files optional inputs for procedures mutable lists etc. This is version 1.1 an update to version 1.00 on disk 377. Binary

only. Author: Gary Teachout FF635, FF377

**PowerPacker** A shareware command and data cruncher, with a full intuition user interface. Executable files which are crunched are automatically decrunched upon execution, thus saving precious disk space on systems without hard disks. Version 2.3b, binary only. Author: Nico Francois FF253

**PowerPlayer** A very powerful, user and system friendly module player. It can handle nearly all module-formats, supports multiselect, has hotkeys, has ASL and ReqTools filerequestors, has an ARexx port, can read powerpacked modules and comes along with its own cruncher that uses the lh.library. Version 3.4, an update to version 3.0 on disk 704, freeware, binary only. Author: Stephan Fuhrmann FF769, FF704, FF687, FF647

**PowerSnap** A utility that allows you to use the mouse to mark characters anywhere on the screen, and then paste them somewhere else, such as in another CLI or in a string gadget. Checks what font is used in the window you snap from and will look for the position of the characters automatically. Recognizes all non-proportional fonts of up to 24 pixels wide and of any height. Works with AmigaDOS 2.0 in both shell and WorkBench environments. This is version 2.1b, an update to version 2.0 on disk 726. Binary only. Author: Nico Francois FF781, FF726, FF542, FF467

**PowerSource** A program for creating and editing intuition gadgets and menus. Previously known as GadgetED (disk 475). Includes a palette editor, generation of either C or assembly source, and binary saving for later loading and editing. This is version 3.0, includes source. Author: Jan van den Baard FF547

**PowerVisor** A powerful machine language debugger and system monitor designed for the serious Amiga programmer. PowerVisor supports all Amigas and all processors (including the 68040). There are two versions, one for AmigaDOS 2.0 and one for AmigaDOS 1.3 (or 1.2). Among many other things, PowerVisor supports symbols and ARexx (with 215 different ARexx commands). It is also very customizable. The AmigaDOS 2.0 version supports online help with 'AmigaGuide' and is installable with the 2.0 Installer. This is version 1.20. Source for some examples is included. PowerVisor is shareware. Registered users can order the complete PowerVisor source. This is a two part distribution. Author: Jorrit Tybergheim FF734&735, FF638

**PowerWindows** PowerWindows aids in creation of custom windows, menus, and gadgets. It will write C or assembly source implementing these, for linking with your programs. Binary only. Author: Inovatronics Inc. FF71

**PP** Patches AmigaDOS and makes decrunching of powerpacked files completely transparent to any program attempting to read such files. This means that any program may work directly on powerpacked datafiles without any need to decrunch these first with PowerPacker. A must for Powerpacker fans. This is version 1.4 an update to version 1.3 on disk 542. Full source is included. Author: Michael Berg FF601, FF542, FF515

**PPAnim** An anim player for normal IFF ANIM opt 5 (DPaint III,...) files or ANIM files crunched with PowerPacker. The decrunching is done automatically as the file is read. Features many command line options, palette change during animation, full overscan PAL/NTSC support and yet it is only 7K. Compatible with AmigaDOS 2.0. Some new 2.0 features (Asl requester) supported. Version 1.0a, an update to version 1.0 on disk 414. Binary only. Author: Nico Francois FF542, FF414

**PPData** A small utility for crunching data files using Nico Francois' powerpacker.library. Requires Kickstart 2.0 or later. Includes source. Author: Martin W. Scott FF695

**PPDO** PowerPackerDataOnly, a CLI/Shell tool which uses the powerpacker.library for (de)crunching data files. Many options available (crunching speed, speed up buffer size, etc.) Version 1.21, first release. Includes source in C. Author: Thies Wellpott FF766

**PLLb** A shared library to make life easy for people who wish to write programs that support PowerPacker. Loading crunched files from C or assembly is made fast, short and easy. This is release 1.5, an update to version 1.4 on disk 623. Includes example source. Author: Nico Francois FF678, FF623, FF575, FF561, FF414, FF371

**PPLoadSeg** This program patches the loadseg routine to automatically recognize files crunched with PowerPacker. After running PPLoadSeg crunched libraries and devices are still recognized by AmigaDOS. You can even crunch fonts and use them as normally. Version 1.1 an update to version 1.0 on disk 542. Binary only. Author: Nico Francois FF569, FF542

**PPMC** The Powerpacker Mini Clone. This is powerpacker.library meeting gadtools.library: A small utility, useful for compressing any text or data file. This is version 1.2b, an update to version 1.1 on disk 751. Many new enhancements, including a complete Shell Interface, hypertext documentation, a brand new look, localization, Danish, Dutch, and French catalogs, etc. Includes 68030 and 68040 versions, plus source for SAS C. Author: Reza Elghazi FF812, FF751

**PPMore** A 'more' replacement program that reads normal ascii text files as well as files crunched with PowerPacker. The crunched files can result in considerable disk space savings. This is version 2.0 an update to version 1.8 on disk 542. Binary only. Author: Nico Francois FF561, FF542, FF371, FF334, FF302

**PPrefs** Preferable Preferences is a program designed to replace the standard preferences, that is shorter, more efficient, and easier to use. Binary only. Author: Jonathan Potter FF242

**PPrint** A printing utility, designed for all those who slowly but surely become frustrated with programmers who think that they can do a form feed better than their printer can. This one relies on the printer itself to do the formatting, and on the program to send the settings. Features include a full

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icon driven user interface, the ability to convert tabs to any size, and the ability to save a number of standard settings. Version 1.10, includes source. Author: Marc Kischisch FF5487

**PPShow** A 'show' program for normal IFF ILBM files or ILBM files crunched with PowerPacker. The decrunching is done automatically as the file is read. Version 2.0 an update to version 1.2a on disk 542 binary only. Author: Nico Francois FF561, FF542, FF371, FF334

**PPType** A 'print' program that will print normal ascii files or files crunched with PowerPacker. Several nice features such as page headers and numbers, adjustable tab sizes, page info taken from preferences and more. Version 1.1a, update to version 1.1 on disk 371, binary only. Author: Nico Francois FF542, FF371

**Pr** A little utility to print listings in different formats. Similar to the UNIX 'pr' program. With source. By Samuel FF122, FF34, AM15

**Practical Modula-2 Buffered Disk I/O:** Buffer file input and output to improve disk accessing speed. Author: Michal Todorovic. AC13

**PReader** An all purpose reader that displays text, pictures, sounds, and animations, all of which may be uncompressed or compressed with a companion compression program (not included). Can print include embedded static or animated illustrations and sounds. Version 5.1, freeware, binary only. Author: Chas A. Wyndham FF543

**Prep** Version 2.1 of a Fortran preprocessor called 'prep', an alternative to rafter. Prep has better macro facilities, a concise shorthand for array and vector statements, all the standard flow control constructs of forth, and is written in generic, portable C (I made no source changes). Includes source. By Roger Ove FF65

**PrettyWindows** Three different C routines to add various borders inside of windows. Includes source and a demo. Author: Thom Robertson FF399

**PrFont** Prints a sample of each font from the fonts: directory. Draws one line of each font on a custom hires screen which can be printed. This is version 1.4 an update to version 1.3 on disk 305. Binary only. Author: Joel Swank FF606, FF305

**printer.c** Sample printer interface code. C program. AM4

**Print** Small print utility designed to replace the 'copy <filename> to prt:' command. Opens a window displaying the filename being printed, length, and a status bar showing percent completed. Also includes an abort gadget. V1.0, binary. By Luciano Bertato FF184

**Print Utility:** A homemade print utility, with some extra added features. Author: Brian Zupke AC9

**print.support** Printer support routines. Currently won't compile, missing a header file 'local.h'. Author: unknown FF5

**Print1.2** Another CLI-based printing utility with several nice features including the ability to print in ASCII or HEX, with or without line numbers and a CTRL-C Trap. Includes source. Author: John F. Zacharias FF174

**PrintDump** A program that will allow you to view or print out the voice data in a Yamaha 32 voice bulk dump file. Allows you to choose any single voice to display or print, or it will display or print all the voices in the dump file. Includes source. Author: Chuck Brand FF647

**Printer driver** Text files for building your own printer drivers, including dospecial.c, epsondata.c, init.asm, printer.c, printer.link, printer.tag.asm, render.c, and wait.asm. AM5

**printer** Printer pre-release copy of the chapter on printer drivers, from RKM 1.1. AM4

**printer** Shows how to open and use a printer, does a screen dump of the workbench screen if there is a graphics-capable printer attached. Currently does not compile under Lattice C Ver3.02 and does not link under Lattice C Ver3.03. By Rob Peck 121/85 FF5

**PrinterCTRL** A printer interface program which allows you to send raw HEX and device driver commands to your parallel printer. Also has provisions for printing text files to the printer device. Makes extensive use of the req library functions. This is version 1.00, freeware, includes source. Author: Paul Miskovsky FF723

**PrinterStealer** A program similar in function to 'Cmd' that allows diversion of output destined for the printer to a file for future output or debugging purposes. Binary only, source available from authors. Author: Alex Livshits and J-M. Forgeas FF95

**PrinterTip** A text file instruction for sending escape sequences to your printer. AM9

**PrintText** Program to display ASCII text files on the screen with scrollbar, arrow gadgets, automatic word-wrap, a search function, speech, IFF picture loading, and online help. Version 1.2, binary only. Author: Opher Kahane FF90

**PrintFiles** A freely redistributable print utility to replace the standard workbench Printfiles command. Supports Arexx, application icon, and setting up a print list with unlimited number of entries. Requires OS 2.04. Includes two versions, V0.91e in English and V0.91d in German. This is an update to V0.9 on disk 632. Includes source. Author: Karlheinz Klingbeil FF683, FF632

**PrintHandler** A custom PRT: driver which offers easy single sheet support as well as limited data spooling. Version 1.6, an almost entirely rewritten update to version 1.1 on FF282. Includes source in 'C'. Author: Olaf Barthel FF352, FF282

**PrintImage** A simple program that provides an easy way to print IFF ILBM images. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF394

**PrintIt** A program to print IFF pictures on Epson compatible 9-pin printers. Prints in many resolutions, with many ways to convert color pics to black and white. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**PrintManager** A printer spooler for AmigaDOS 2.0 or later. Works with all programs, whether they use the parallel or

serial device, use PRT: or the printer device directly, are printing text or graphics, and has an intuition interface. Version 1.0, binary only. Author: Nicola Salmoria FF810

**PrintPop** A utility to enable the user to send some common control settings to the PRT: printer device. When installed, a left-amiga F1 sequence will pop up a small window with various options. Includes source. Author: Robbie Atkins FF108

**PrintSpool** A print-spooling program. Very useful for printing files in the background. Many command-line options. Version 1.0.0, Includes source. Author: Francois Gagnon FF154

**PrintSpool** A shared library to easily add text or graphics print spooling to any C or assembly program. Binary only. Author: Jeff Glatt FF463

**PrintSpool** A small print spooling shared library that provides an easy way to print graphics and text for any application. It can print ascii text of any length or dump any part or all of a rastport. Takes care of opening the printer device and manages its own resources. Version 0.1, binary only, with source code examples. Author: Jeff Glatt, Dissidents Software FF393

**PrintSpool** EXECUTE-based print spool program. AM8

**PrintStudio** Very nice intuition based general purpose print utility that prints text with a variety of options. Prints several graphic formats with yet more options. Print any part of a picture, print screens and windows, save screens and windows as IFF files, modify color palettes, change printing parameters and lots more! This is version 1.25, an update to version 1.2 on disk 366. Shareware, binary only. Author: Andreas Krebs FF402, FF366

**Prism** An ANSI editor that allows animations and complete colour control. It is used on many BBS's to create animated screens. Includes a configuration editor, font control, and variable playback speed. New features include automatic line and box drawing, and a special 'Quick Pick' option for accessing extend characters codes. Version 1.5, an update to version 1.4 on disk number 581. Binary only. Authors: Syd Bolton, Chris Timmerberg, and Colin Vernon. FF798, FF581

**PrivHndlr** A privilege violation handler for the 68010 cpu. Like Decgpl, but survives a reboot so you can use it with copy protected programs that run from boot. Version 3, includes source in assembly code. Author: John Veldthuis FF230

**PrLabel** A utility to print laser printer labels. Support 3x8, 2x8 and 2x7 A4 label sheets. The program may easily be modified for other formats. Also serves as a demonstration of using STSLib for gadgets and menus. Version 1.2, an update to version 1.1 on disk 599. Includes C source. Author: Andrew Martin, SciTech Software FF737, FF599

**Proc** Example program of how to create a full-fledged DOS process without needing to call LoadSeg first. Based on an idea presented at BADGE. Includes source. By Leo Schwab FF236

**ProCalc** A program that simulates an HP-11C programmable calculator. Lots of enhancements and bug fixes in Version 1.2, binary only. shareware. Author: Gotz Muller FF172, FF139

**proctest** Sample code to create a process, set up message ports, pass messages, etc. Sample slave code for create process test (littleproc.c) currently does not link under either Lattice C 3.02 or 3.03 (unresolved global variables not in libraries) By Rob Peck FF5

**ProDrivers** AmigaDOS 1.3 printer drivers for the IBM 4201 and 4202 series of printers. Version 1.0, binary only. Author: David White FF451

**proff** Another text formatting program. This one is significantly more powerful than any of the others previously distributed on these disks. FF9

**ProffMacros** Subset implementations of the Berkeley 'ms' and System V 'mm' macropackages, for the proff program. Author: Tony Andrews and George Walker FF46

**Profiler** A real time execution profiler for Manx 3.30E. Using this you can identify what sections of your program are using the most time, or being executed the most, and optimize as appropriate. I was able to double the speed of some programs by using this tool. Includes source. Author: Tomas Rokicki FF48

**Programming In C on a Floppy System:** Begin to develop programs in C with just one megabyte of RAM. Author: Paul Miller. AC11

**ProgUtils** Some miscellaneous programming utilities and examples. With source in assembly. By Jorrit Tyberghein FF302

**ProjMot** A Projectile Motion plotter. Plots the path of a projectile fired with a variable initial velocity and angle. Display can be scaled, and time can be accelerated. The program returns the distance traveled and the time it took. This is version 1.01, includes source. Author: Chris Hopps FF453

**PropGadget** Example code for using proportional gadgets, written in assembly code and C, that can be called from your own application. Includes source. Author: Jerry Trantow FF269, AM21

**ProSuite** This is the Amiga Programmers Suite Book 1.01. The suite provides example code of facilities that every programmer needs (such as FileIO Requester), provides examples of new facilities (such as XText and DoRequest), and provides a tutorial on how to program the Amiga. With source. By R.J. Mical FF107

**prtbase.h** Printer device definitions. C program. AM4

**PrtDriver** A printer driver for the Toshiba '3 in one' printer in its Qume (best) mode. Includes source in C and assembler. By Rico Mariani FF128

**PrtDrivers** A couple of new Printer Drivers. One for Digital Equipment's LN03+ laser printer, and one for Mannesmann Tally's MT420d dot matrix. Authors: DEC LN03 — Bernie Mentink MT420d — Sascha Wildner FF164

**PrtDrvGen** Program to automatically generate custom

printer drivers. Version 2.2b, binary only, source available from author. Author: Joergen Thomsen FF90, FF60

**PrtDrvGen2.3** Latest version of a printer driver generator. AM22

**PrtSpool** A DOS handler, a print program, and a control program that implement a print spooling system. Like PRT:, the DOS handler waits for stuff to be sent to it to be printed. The print program does line numbering and page headers. The control program handles administrative functions. Binary only. By Daniel Barrens FF216

**Ps** A program to display process priorities and another program to set a process's priority to any arbitrary valid value. Very useful to provide finer control over your multitasking environment. Author: Dewi Williams FF26, AM11

**PSFonts** Postscript font files from the GNU Ghostscript 2.5.2 distribution, for use with the 'Post' postscript interpreter on disk 828. This is a three part distribution. Author: Various, see docs. FF828-30

**PSGraph** A graphing program with plot previews and encapsulated postscript output. Version 1.0, binary only. Author: Rick Golembiewski FF523

**PsIntrp** A postscript interpreter that reads postscript files and previews them on an Amiga screen. Interactive input and output takes place in a small window. The page to be show is composed behind the window in an interlaced screen with 16 colors. Can also take input from a file. With assembler source. By Greg Lee FF101

**PSound** SunRize Industries' sampled sound editor & recorder. AM15

**PSTools** This is a two part distribution of DVIPS ported from a Unix environment. DVIPS is a program that takes TeX .DVI files and converts them to PostScript files. If you don't have access to a PostScript printer, you can still take advantage of the vast amount of useful documentation in TeX .dvi or PostScript .ps format using the incredibly excellent POST program from FF669. Part one of the distribution contains the DVIPS binary, source and config files; DVIPS documentation; the Adobe Font Metric Files, TeX v1 font files and LaTeX files. Part 2 of the distribution contains the TeX pk font files and the TeX tfm font files. Includes DICE C-source. Author: Originally from DECUS, Amiga port by Jonathan Hudson FF795

**PSutils** Some cli utilities for the manipulation of PostScript files. Includes: psbook rearranges pages into signatures; psnup uses pstops to merge multiple pages per sheet; psselect selects pages and page ranges; pstops performs general page rearrangement and selection; and epsffit fits an EPSF file to a given bounding box. Includes source. Author: Angus Duggan, amiga port by Jonathan Hudson FF797

**PSutils** Some utilities for postscript and adobe fonts. Resetadobe (version 1.0) is a program to modify the AFM files of adobe fonts which do not appear to have the correct spacing after being generated by AFM2PFM. Postsplit (version 1.0) is a program to split a color PageStream postscript file into individual color/page files for multipass printing. PFM2AFM (version 1.0) generates AFM files for adobe fonts. T1Utils is a set of adobe font manipulation tools including a font disassembler. Author: I. Parker, D. Spencer, Ken Borgendale, Lee Hetherington FF732

**PSX** A public screen manager for AmigaDOS 2.0. Lets you open, manipulate, and close public screens, set the global public screen bits, and provides a good example of using GadTools and ReadArgs. Version 1.1, an update to version on disk 418. Includes source. Author: Steve Tibbett FF483, FF371

**PrtAnlm** Program, includes lots of samples, a utility program and instructions on creating your own animations. Be sure to also read the 'Disclaimer' in the author's ReadMeFirst file. Binary only, shareware Author: Tim Kemp FF170

**PubChange** **PubChange is a commodity for AmigaDOS 2.04. It isn't a public screen manager, but it is useful when used in conjunction with one. It is designed to make public screens easier to use. Whenever a new screen is brought to the front, this screen is examined. If it is a public screen, it is made into the default automatically without having to explicitly do it from within a public screen manager. Thus, the current default public screen is always the one which you have most recently brought to the front, and applications which use the default public screen will appear there. Version 1.2, an update to version 1.0 on disk 771. This version fixes two serious bugs and adds minor features. Binary only. Author: Steve Koren FF804, FF771**

**PublicManager** Public screen tool which opens public screens which are freely configurable (depth, size, font, etc) and have their own menu (palette, quit, tools, etc). Includes two little tools to modify the public screen modes and the default public screen. Version 1.2, freeware, includes source in C and assembly. Author: Michael Watzi FF685

**PublicService** A screen clock intended for those whose day revolves around a series of breaks; this one counts down the minutes to each break and complains if you're at the Amiga outside working hours! All break times are contained in a small text file (example given). Times are expressed in words rather than numbers. Includes source. Author: Michael Warner FF592

**PubScreens** Two utilities to manipulate public screens. You can open and close them, or ask for information. PublicS is the workbench version of PubScreen. AmigaDOS 2.0 only. This is version 1.0, binary only. Author: Jorrit Tyberghein FF418

**Purty** Provides an easy way to change some common printer settings via a small window with several gadgets. Binary only. Author: Charles Tyson FF66

**PushOver** A neat little board strategy game, in AmigaBASIC. Push your pieces onto the board until you

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

get five in a row in any direction. Includes source. Author: Russ Yost FF122

**PUZZ** Very nice implementation of the sliding-block-puzzle concept. Good graphics and the ability to create your own puzzles using an IFF ILBM file and a text file. Includes source and several sample puzzles. Version 1.0. Author: Martin Round FF362

**Puzzle** Simulation of a puzzle with moving square tiles. Executable only Author: Bill Beogelein FF32

**PuzzlePro** Create a puzzle from an IFF picture, which the user can then piece back together again. Written in AmigaBASIC. Version 1.0, binary only, shareware, source available from author. Author: Syd Bolton FF122

**PW\_Utility** A shareware utility for ProWrite users, changes margin settings and font types. AM25

**PWDemo** Demo version 1.2 of the commercial product. FF71

**PWKeys** An input handler that allows you to manipulate windows and screens by pressing keys on the keyboard. It currently lets you perform 25 different functions. Features include mouse blanking, screen blanking, mouse acceleration, 'sun mouse', mouse/keyboard locking, and an interactive program to define hotkeys and other settings. This is version 2.0, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**Pyro** A screen blanking program that goes beyond the normal blanking process. When there are no input events, pyro takes over and starts a little fireworks display in color. V1.1, binary only. Author: Steve Jacobs and Jim Boyd FF199

**Pyth** A program to draw the Tree of Pythagoras. Version 1.1, includes source. Author: Andreas Krebs FF238

**Pz15** Computer version of those cheap plastic puzzles with 15 white tiles numbered 1 through 15 and an empty square in a 4 by 4 arrangement. This one is more challenging since you can't solve it by just prying out the pieces. With source. By Mike Hall FF191

**QBase** Quick-Base is a 'MailBase Management utility', that lets you define and maintain records of your family, friends, and other associates. Currently a maximum of 200 records per file. Binary only. Author: Kevin Harris FF98

**QCA** A small CLI command that returns information about the current shell. Such as: the shell/cli process number, the prompt used, the current directory, the default stack size, the current FAILAT level, the DOS error that occurred with the last command run, the return code of the last command, and more. Version 1.1.0, freeware, binary only. Author: Chris Vandierendonck FF788

**QCD** QuickCD is a program written in assembly to quickly change directories in the current CLI/SHLL with the mouse and a file requester. Ten often used directories can be saved to a config file and quickly selected. Any unused entries are used to temporarily store the directories you have recently visited and any of these can be easily and quickly selected or saved with the mouse or a function key. Requires AmigaDOS V2.0x. Version 1.03 binary only. Author: Nic Wilson FF626

**QMan** Mandelbrot generator written partially in assembly for speed. Includes source. Author: Steve Bonner FF130

**QMouse** A very small mouse accelerator (4K) written in assembly language, but with most of the features of its larger cousins. Not related to QMouse on disk 49. This is version 1.6, shareware, binary only. Author: Lyman Epp FF262, FF49

**QMouse** An unusually small and feature-packed 'mouse utility'. Was inspired by, but not derived from, the original QMouse by Lyman Epp. Features include automatic window activation (like WindX), top-line blanking for A3000/A2320 users, systemfriendly mouse blanking, mouse acceleration/threshold, 'PopCLI', click-to-front/back, 'SunMouse', 'NoClick', 'WildStar', Northgate key remapping, and more. Requires Kickstart 2.0, but is not a commodity. Only 3K. Version 2.30, an update to version 2.21 on disk 789. Public domain, assembly source included. Author: Dan Babcock FF802, FF789, FF731, FF697

**qsor.asm** UNIX compatible qsor() function, source and C test program. Assembler program. AM2

**Q12** A cute program that gives the time the way many people actually do, i.e. 'it's nearly ten to five'. Includes source in assembly. By Charlie Gibb FF186

**Quantizer** FLCQ color quantizer which converts 24-bit true color images into 256, or less, color images. Uses a fairly sophisticated algorithm, mixing median-cut, popularity, and a custom algorithm. Includes a version for Amiga's with a math coprocessor. Version 1.0, shareware, binary only. Author: Christophe Labouisse and Frederic Louquet FF416

**Quattro** Another Tetris like program. Has three levels of play difficulty, sound effects, a 43-color background, next stone preview, and joystick or numberpad control. Version 1.0, binary only, source available from author. Author: Karl-Erik Jenss FF230

**QueryAny** Simple program for use in CLI scripts to query for yes/no decisions. Includes assembler source. By Mark Smith FF79

**queryWB** asks Yes or No from the user returns exit code. Source code and executable program. AM14

**Quest** General purpose interactive AREXX question/answer routine that includes a very funny script ('HackerTest') to rate your 'computerese' and hacker ability. Quest can be used for any similar type question-answer script. The original hackertest was created by Felix Lee, John Hayes and Angela Thomas in September 1989. Author: Erik Lundevall FF773

**Questionator** A program to create update and present multiple choice questionnaires. Version 1.07 shareware source available from author. Author: Erik Von Raspator FF582

**Quick** A utility program specifically targeted at hard drive users to eliminate the frustration of launching programs on

the Amiga. It eliminates the need to open Workbench windows and/or remember and type in long pathnames to executables. Version 1.0, binary only. Author: Greg Gorby FF453

**quick** A quick disk-to-disk nibble copier. Executable program and documentation. AM12, AM1

**QuickCopy** Three versions of quickcopy, a nice little full diskcopier. Two of the versions are capable of making backups of 'protected' Electronic Art's disks. By Dave Devenport FF35

**quickKEA** Program copies Electronic Arts disks, removes protection. Executable program and documentation. AM12

**QuickFile** A flexible, fast and easy to use flat file database using random access with intelligent buffering to minimise disk access, multiple indexes for fast access to records, form and list style screens and reports, and fast sorting and searching. Files are quickly and easily defined, and fields can be added, changed, or deleted at any time. Version 1.2, shareware, binary only Author: Alan Wigginton FF820

**QuickFlx** An IFF slideshow and cel animation program that takes full advantage of the Amiga's multitasking operating system, supports all the graphics modes, can run with internal timing or be triggered by an external source, caches images in memory to achieve rapid frame rate, etc. V 0.13, binary, shareware. By Jeff Kunzelman, Rodney Iwashina, Takeshi Suganuma FF106, AM24

**QuickHelp** With the QuickHelp utilities you can make your own help files like man in UNIX (it is not compatible however). AmigaDOS 2.0 only. Version 2.0, binary only. Author: Jorrit Tyberghein FF420, FF302

**QuickReq** An 'Ask utility' to replace the 'ask' command from AmigaDOS. QuickReq can load arguments from files thus making it possible to handle long questions and texts. Also supports optional line breaks in BodyText, an option to center text to window. DisplayBeep when requester is activated, setting your own FrontPen number, specifying requesters width and height and all kinds of overscan displays. First public release. Version 2.0, includes source. Author: Markus Aalto FF457

**QuickTrans** Freely redistributable replacement for mathtrans.library containing faster versions of all 17 functions with almost the same accuracy. Trigonometric functions are 2 to 2.5 times as fast. Logarithmic exponential and hyperbolic functions are about 3 times as fast. Version 1.0 binary only. Author: Martin Combs FF592

**Quiz** A simple Quiz game. Current quiz subjects include Bible, Indians, New England, Physics, and States. Binary only. Author: J. Dale Holt FF417

**Quotes** Quotes is a pseudo-random quote generator. It will scan a specified file of quotes, pick one at random, and display it. Great for startup-sequences. CLI-only. Version 1.0, includes source. Author: Adam Evans FF516

**QView** A very small file view program (only 3K) written in assembly language, but with most of the features of its larger cousins. V 1.1, shareware, binary only. By Lyman Epp FF262

**RachelRaccoon** A set of hand-drawn 'Eric-Schwartz-animation-style' pictures of a new cartoon character. The pictures are overscanned hires-interface (704x480) and are provided in 16-color, 8-color, and 4-color flavors so you can use them for Workbench backdrop pictures. The colors are arranged so that at least on Workbench 2.x you will have standard looking titlebars. Author: Leslie Dietz FF780

**RADBack** A shareware utility that can make a backup of a RAD disk to a normal 880K Amiga disk, regardless of its length bigger RADs are saved on more disks. Can be started from the Workbench as well as from CLI. Version 1.0, binary only. Author: Sandi Tomsic FF791

**RadBoogie** This demo, which won 7th place in the 1989 BADGE Killer Demo Contest, uses almost all features of the Amiga extensively, including the copper, blitter, sprite hardware, 68000 machine language, and preemptive prioritized multitasking. With source. By Dave Quick, Mark Riley, Tomas Rokicki FF269

**RaiderGame** Raider 3DX is a classic space strategy game for X-Specs 3D. Search for enemy on a 3D map of the galaxy. Warp transport to trouble spots and protect the Federation bases. Blast the enemy with your energy torpedoes. But watch your own energy reserves since you are the last hope of the galaxy. Digitized sound. Amazing 3D action. Requires X-Specs 3D glasses. Binary only. Author: Richard Horne FF544

**RainBench** Simple program which cycles the hardware color register to get an interesting effect on your workbench screen. Binary only. Author: Brendan Keliher FF90

**RainBow** Marauder-style rainbow generator. Installs a user copper list such that the background color is changed every few scan lines. Includes source. Author: John Hodgson FF58

**RAMCopy** A copy program designed for machines with 1 meg or more of RAM and only one disk drive. Allows you to copy a complete disk in only one pass. Author: Stephen Gunn FF165

**RAMdisks** Text file with tips on setting up your RAM disk. AM1

**RAMSpeed** Program to measure raw memory speed, comparing the internal to the external memory. By Perry Kivolowitz FF31

**Random** Random number generator in assembly. Much faster than versions using floating point. Can be used by either assembly or C programs. Author: Steve Beats at Commodore-Amiga FF20

**RandomSimple** random number generator in C. Includes source. Author: Gene Toole(?) FF74

**random-circles** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**RandSam** Plays random soundsamples at random times, with random volume, random cycles, and a bit random period. It will definitely catch the attention of the unsuspecting Amiga user (particularly one that has the stereo turned up!) when a lion suddenly roars as they're typing away on their favorite word processor! User modifiable start-up configuration file. Includes source and some sample sounds. Author: Steven Lagerweij FF363

**RatMaze3D** rat maze game in AmigaBASIC. AM8

**raw** Example sample window I/O. C program. AM1

**RawIO** Example of how to set your standard input to what is commonly known as 'raw' and/or 'CBREAK' mode on UNIX systems. Includes source. Author: Chuck McManis FF85

**RayDance** Demo version of the RayDance raytracer. This is a fully functional version except that it requires clicking on a continuation prompt after every 15 minutes of rendering time and the total number of polygons and spheres in a scene is limited to approximately 1400. Includes both software and hardware floating point versions. Requires a minimum of 1Mb of ram. Version 1.0 binary only. Author: Charles Crompton FF585

**RayShade** Rayshade is a ray tracing program ported to the Amiga from UNIX. Rayshade's features include eleven types of primitives, composite objects; several types of light sources, texturing, bump mapping, antialiasing, linear transformations, rendering of stereo pairs, rudimentary animation support, and more. Includes some example input files, original sources in C, and diffs for the Amiga. Version 4.0PL6, Amiga Release 0.5, an update to version 4.0PL6 Amiga Release 0.4 on disk 679. Author: Craig Kolb, Rod Bogart, Martin Hohl, et. al. FF707, FF679, FF596

**RayTracePics** Ray tracing pictures, some of which appearing on FF39, but now in IFF HAM format for MUCH faster loading and compatibility with existing IFF tools. Author: Dave Wecker FF44

**RayTracerA** simple ray tracing program. It is capable of depicting up to 150 balls and a plane that is covered with a tiling of any bit mapped picture. Binary only and sparse documentation. Author: Friedrich Knauss, Steve Williams, Jim Horn and Mark Reichert FF66

**RCS** The Revision Control System (RCS) manages multiple revisions of text files. RCS automates the storing, retrieval, logging, identification, and merging of revisions. RCS is useful for text that is revised frequently, for example programs, documentation, graphics, papers, form letters, etc. This is an update to RCS version 1.2 on disks 281 and 282, and includes only the files that have changed. Author: Walter Tichy. Amiga port by Raymond Brand and Rick Schaeffer. FF451, FF281&282

**RDBInfo** Reads the RigidDiskBlock of the unit and device given as arguments, then displays the most interesting parts. Version 0.17, Binary only. Author: Gérard Cornu FF779

**RDM** A fast, small, efficient and easy to use DirUtility with UNIX-compress compatible packer and endless number of configurable buttons, as well as all the usual features. This is Version 0.99, the DEMO version of 1.0, which can be ordered from author. Shareware, binary only. Author: Reginald Lowack FF658

**Reader** A program to scan a word list to locate which words can be made from the letters given. Allows matching of words by length and by giving the letters known, i.e. m..h for the word MATCH. Great for word games and crosswords. Results output to screen and a RAM: based file. The word list is in ascii and so can be edited if desired. New words can be added and it could be used for different languages if required. Supplied with over 24,200 words (mostly English spellings). Version 1.0, includes source. Author: Gary Brittain FF432

**Readme** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ReadmeMaster** A nifty little database for finding those programs that you know exist somewhere (???) in the AmigaLibDisk library. Maintains a keyword dictionary of the Contents descriptions that allows searching by disk number, program title, author's name, or some other descriptive word. Currently supports disks 1-360, an update to the version on disk number 163. Binary only. Author: Harold Morash FF390, FF163

**ReadRefs** A tool that brings the ability of references file loadings to any editor that can call AREXX scripts or batch files. It does a fast searching and is compatible to the format of the DMe and autodoc refs files. Includes sample scripts for TurboText and DMe. Version 1.1, binary only, freeware. OS 2.x.x only. Author: Hans-Peter Gunther FF763

**Reboot** A program which reboots your Amiga by calling exec's Cold- Reboot() function. This is version 1.02. Includes source in C. Author: Stefan Sticht FF497

**Recolor** A fully configurable icon recoloring tool that can swap or shift the colors of selected icons and truncate the depth of the icon color map. Binary only. Author: Michael Sinz FF490

**Record-Replay** A program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back to cause the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. This is version 2.0, an update to the version on disk 95. Shareware, binary only. Author: Alex Livshits and J.-M. Forgeas FF105, FF95

**RecurDir** A recursive directory program that is useful as an aid in ZOOing files in nested directories. Allows one to easily ZOO the complete contents of a disk. With source. By Stephen Vermeulen FF284

**Redaktu** A PostScript program which runs on PixelScript to edit other PostScript programs. Several examples and a

# Freely Redistributable Software

detailed explanation are included. Author: John Starling FF454

**ReDate** Scans a disk and dates each directory according to the most recent item contained within (not including .info files). Ideal for use after a COPY ALL CLONE, where the directories are CREATED rather than copied and thus lose their date information. Includes source in assembler. Author: Jim Butterfield FF358

**ReflexFinal** A game which tests your addition, subtraction, division, multiplication, percentage, and algebra skills. The goal is to answer several math questions in the shortest possible time. A continuation to 'ReflexTest' on disk number 751. Binary only. Author: Jason Lowe FF793

**ReflexTest** A game which tests your addition, subtraction, or multiplication skills. The goal is to answer several math questions in the shortest possible time. A continuation to the version found on disk number 713. Binary only. Author: Jason Lowe FF751, FF713

**Regex** An Amiga shared library version of the GNU regular expression package from the Free Software Foundation. A regular expression is a concise method of describing a pattern of characters in a string. By use of special wildcards, almost any pattern can be described. A regular expression pattern can be used for searching strings in such programs as editors or other string handling programs. Version 1.0, includes source. Author: Edwin Hoogerbeets, FSF, Jim Mackraz FF248

**Regexp** A nearly-public-domain reimplement of the V8 regexp(3) package. Gives C programs the ability to use regexp-style regular expressions, and does it in a much cleaner fashion than the analogous routines in SysV. With source. By Henry Spencer FF179

**RegExLib** Shared library that implements regular expression pattern matching. Version 1.0, binary only. Author: Stephen Moehle FF444

**regInte.c** Region test program. C program. AM4

**region** Demonstrates how a drawing area can be split into linked rectangular regions. Draws a rectangle in a single playfield display, then draws 'Behind a Fence' several times behind an apparent fence in the rectangle. Only works under Lattice Ver3.03. Author: Rob Peck FF5

**RemapIcon** A utility to remap icons to be exchanged between Kickstart 2.0 and Kickstart 1.2/1.3 Workbench environments. The icon images are remapped to reflect the different color palette used by the Workbench releases. Version 1.0, includes source. Author: Olaf Barthel FF372

**RemapInfo** An icon color remapping tool that swaps the colors black and white. The program runs on 1.3 but when run on 2.0 it supports the Applcon feature. It allows you to drag all icons you wish to remap on RemapInfo's Applcon to recolor them. Version 1.1, an update to version 1.0 on disk 542. Binary only. Author: Nico Francois FF623, FF542

**REMCr V1.00** Utility to remove CR's in files FF168 & 169

**RemLib** A little CLI tool that closes the specified libraries in a system-friendly way. Ability to specify multiple libraries with return status about the success of each one. Codesize about 2 KB. Version 1.2, OS 2.xx only, includes source in C. Public domain. Author: Hans-Peter Guenther FF761

**RemLibs** Removes a specified library (if currently unused) or displays some information about all available libraries. Version 1.11, includes source in assembler. By Helko Rath FF178, FF139

**RemoteLogin** A couple of programs which make possible remote access to your Amiga. One program checks the serial port for an incoming call, and starts a program when it is detected. The other is a password protection program which allows starting various programs based upon login id, thus providing some minimal security for your computer. With source. By Dave Kinzer FF247

**ReOrg** ReOrg is a fast disk optimizer that can be used for floppy disks and hard disks. Supports new Kickstart 2.04 features including hard and soft links and High-Density drives. In-cludes program versions in English and German for use with Kickstart 2.04 only. This is version 2.31, an update to ver- sion 2.3 on disk 699. Shareware, binary only. Author: Holger Kruse FF716, FF699, FF678

**Replex** REPLACExExecutable. This handy patch substitutes program names that are about to be executed, e.g. if an icon default tool specifies 'c:\MuchMore' and you prefer to use 'c:\TextRead', you can have it defined as such, so you never have to change the icon. Intuition interface allows up to 8 such definitions. Compatible with all known OS versions. This is version 1.0, binary only. Author: Ekke Verheul FF791

**RepString** Nice little CLI utility to replace any type of string in any type of file with another string of any type. V1.0, binary only, shareware. By Luciano Bertato FF180

**Req** An enhanced version of the interface to req.library for Aztec C 5.0. Pragmas supplied and guesses put in a library rather than in an object file. Includes source in asm. Version 1.1. Author: Pierre Carrette FF540

**ReqAztec** An enhanced version of the interface to req.library for Aztec C 5.0. Includes source in assembly. Author: Pierre Carrette. FF419

**ReqChange** A little program that patches the system requesters to use the similar requesters in ReqTools.library. It also patches the ARP requester and all requesters in Req.library. It is very flexible, allowing you to modify where the requester should appear, which of the libraries to patch, etc. Includes a pair of small utility programs, GetFile and ReqAsk, that can be used in scripts to put up file requesters or other requesters. Version 1.08, includes source. Author: Magnus Holmgren FF682

**ReqLib** A runtime, reentrant library designed to make it easier for programmers to use powerful, easy to use requesters, for communicating with users. Includes such functions as a color requester, file requester, message display requester and many functions to make the creation of gadgets for your own custom requesters easier. This is

version 2.5, an update to version 1.2 on disk 400. Binary only. Author: Colin Fox and Bruce Dawson FF419, FF400

**ReqLibrary** A Modula-2 interface to Colin Fox's and Bruce Dawson's 'req.library' v2.5. This is version 1.01. Includes source in Modula-2. Author: Jürgen Zimmermann FF563

**ReqTools** A standard Amiga shared runtime library which makes it a lot quicker and easier to build standard requesters into your programs. Designed with CBM's style guidelines in mind, so that the resulting requesters have the look and feel of AmigaDOS 2.0. Version 2.1a, lots of enhancements since release 1.0d on disk 623. Includes a demo and glue/demos sources. Author: Nico Francois FF794, FF623, FF575, FF561

**Request** Opens the OS 2.0 autorequester from script files. Title, text, gadgets and publiscreen of the requester can be changed by commandline options. This is version 1.00. Includes source in C. Author: Stefan Sticht FF497

**RequesterA** file name requester that looks like the one used in Deluxe Paint, and a sample program for using the requester. With source. By Kevin Clague, enhancements by Randy Finch FF84, FF34, AM9

**requesters** Sample program and documentation for building and using requesters. John worked REAL hard to dig out all the information in this one! Author: John Draper (aka 'crunch') FF1

**ResAnalyzer** An OS 2.04 compatible ResModules monitor. ResAnalyzer can show you all information related to Captures, KickMemPir, KickTagPir, KickChkSum and ResModules entries in the ExecBase structure. A great help for resident modules developers and for people who want to check if something (like a virus) is resident in memory. ResAnalyzer can detect ResModules OS 2.04 system flags. Version 2.2, binary only. Author: Silvio Umberto Zanzi FF678

**Rescue** A non-multitasking shoot'em up game with smooth scrolling in three directions, four different pieces of music, highscore list, cheat mode, etc. Automatically notices if started on an NTSC or PAL machine, and uses full PAL screen or NTSC overscan screen. Binary only, shareware. Author: Tobias Eckert FF690

**ResetHandler** Installs a handler in the keyboard.device reset handler list that is called when you press CTRL-Amiga-Amiga. It opens a window and counts down from 9 to 0 in ten seconds and then resets the machine. This gives the machine extra time to do vital things like validating disks and gives you time to reconsider the reboot. Version 1.0 includes source. Author: Stefan Becker FF572

**Resident** A resident startup module for Aztec C. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF396

**ReSourceDemo** A demo version of ReSource, an interactive disassembler for the Amiga. This is a complete version except that the 'save' features have been disabled. This is version 3.06. Binary only. Author: Glen McDiarmid FF232, FF192

**Retab** Useful command-line 'tab-to-space' and 'space-to-tab' expansion utility. Several command-line options to specify size/settings and the ability to protect material enclosed by delimiters (quotes, brackets, carats, etc.) from expansion. Version 1.03, binary only. Author: Paul Klink FF389

**ReturnCodeTwo** Short programs (LogRC and GetRC) to allow the 'Return Code' left by a previous program to be saved in a form suitable for further (script) testing. GetRC allows the Return Code to be set or viewed as desired. Assembly source included. Author: Jim Butterfield FF502

**RevBut** Another Intuition event hack, giving you a toggling right mouse button. V 1.0, with source. By Michael Balzer FF332

**Revenge** A fast-action game with horizontal scrolling in which you control a laser-spitting Camel while destroying hordes of weird enemies who are after your hump. Collect bonuses on the way to obtain more devastating weaponry. In 2-Player & CPU-Assist modes an Ancipital-creature joins the Camel to make a team. Stereo phased samples 42 levels in several zones. 512K-NTSC version. 1MEG and/or PAL versions avail- able upon registration. Shareware binary only. Author: Yak Liamsasof UK FF617

**Revenge** Revenge of the Blob, an animated interpretation using Bill Watterson's original cartoon strip character 'Calvin'. Tells the story of Calvin's encounter with his mother's food, and how the dreaded tapioca monster gets back at Calvin for turning his nose up at it. Version 1.0. Author: David Wiles FF816

**Reversi** Plays the classical reversi game on an 8 x 8 square field. Version 2.0, an update to version 1.2 on disk 245. Includes source in assembly language. Author: Marc Fischlin FF305, FF245, FF38

**Reversi** Version of the well known game. Features an 'intelligent' computer opponent. Includes source in Modula II. Author: Robert Brandner FF549

**RevHead** REVHEAD is a program for generating info files for your existing sourcecodes/executables. The info data is stored in a separate file. Features Kick/WB 2.0 environment. Version 1.05. Freeware. Binary only. Author: Carsten Raufuß FF584

**RexxArpLib** A library which originally was supposed to be an ARexx interface to the ARP library. However, it has also become an interface to various Intuition functions, containing over 50 functions including a file requester, string/boolean requester, environment variable functions, simple message window, wildcard expander, etc. V2.3, an update to FF178. Binary only. Author: W.G.J. Langeveld FF227, FF178

**RexxHostLib** This is a shared library package to simplify the ARexx host creation/management procedure. Rexx-message parsing is also included making it possible to control ARexx from programs such as AmigaBASIC (can you imagine AmigaBASIC controlling AmigaTeX?). This is version 37.1, an update to version 36.14 on disk 403. This version has been updated for use with Kick- start 2.0. Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF682, FF403, FF355, FF325

**RexxIntuition** This is a ARexx function library that allows you to open windows/screens from an ARexx script, attach menus, gadgets, (file) requesters, load and save ILBM picture files, auto-requesters, print text and graphic dumps, and completely interact with the user in an intuition environment. Adds all of those Amiga features that ARexx lacks. Author: Jeff Glatt, Dissidents Software FF463, FF393

**RexxLib** A shared library that can be easily used by any C or assembly programmer to add an ARexx interface to his programs. Handles all of the messy details including message creation/deletion and error handling. Author: Jeff Glatt, Dissidents Software FF463, FF393

**RexxMathLib** A library which makes various high level math functions such as sin, tangent, log, etc, available in ARexx. V1.2 and 1.3, binary only. Author: W.G.J. Langeveld FF227

**RexxPIPlot** A library of C functions useful for scientific plotting on the Amiga. The library is Lattice C compatible. Contour plotting, three dimensional plotting, axis redefinition, log-log plotting and multiple subpages are a few of PIPlot's features. The plots can be displayed on a monitor or sent to a graphics file for subsequent printing. This is RexxPIPlot version 0.3, an update to PIplot version 1.00 on disk 222. New features include an ARexx interface, support for IFF output, support for PostScript output, support for Preferences, some new functions, bug fixes, and more. Includes source. Author: Tony Richardson, Samuel Paluocci, Glenn Lewis and Tomas Rokicki FF306

**REXXProgs** Some good, well-commented, examples of REXX programming. Includes Palette.rexx, an ARexx tutorial on using the rexxarpilib.library to open a window (in this case a color palette) on any public screen and send messages to another ARexx process. ShoList.rexx, displays system lists (libraries, ports, tasks, etc.) and Sz.rexx, Displays alphabetically sorted directory with filesizes. CLI only. Author: Richard Lee Stockton FF773

**RexxRMF** ARexx Record Management Functions library is an ARexx external function library which provides keyed file access using AVL trees. With this library one can index data files for fast search/retrieval of data records. The record management functions allow for variable length keys variable length records variable number of fields per record multiple indices on a single file duplicate or unique keys passing of record data directly to/from ARexx variables etc. This is version 1.8 an update to version 0.5 on disk 559. Binary only. Author: Ronnie E. Kelly FF629, FF559

**RexxView** Monitors messages sent to the REXX port. Messages are described by task, action code and modifiers, and the contents of arg0 slot is displayed. CLI utility to monitor the REXX IPC hub for ARexx programmers and interfacers. Version 1.01, includes JForth source. Author: Martin C. Kees FF516

**rgbOne** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**rgbtst** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Rhodes piano** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**RickParksArt** A collection of artwork from one of the leading Amiga artists. Includes 'Bryce', 'Clipper', 'Einstein', 'Falconer', 'Lincoln', 'Lion', 'Mickey', 'Norman', and 'Stymle'. Superb hand drawn images with lots of detail. Author: Rick Parks FF426

**Riff** A little iff reader written in M2amiga Modula-2. Version 1.0, includes source. Author: Marcel Timmermans FF732

**RingWar** A classic arcade game of reflexes. The graphics are based on the vector style of the old arcade games such as Asteroids and Tempest. The goal of the game is to penetrate through the three rotating rings and hit the five pointed star in the ringship at the center of the rings while avoiding randomly appearing mines and the ringship firing back at you. Binary only. Author: Eric Bazan FF604

**Ripples** This animation is one of Allen Hastings' entries to the Badge Killer Demo Contest. Unlike most other animations, it shows a fixed object from a moving point of view, rather than a moving object from a fixed point of view. By Allen Hastings FF127

**RistlNolla** A Finnish game. The name means something like CrossZero, and is also called Go-Moku. Version 1.0, shareware, binary only. Author: Mika Pihlajamäki FF106

**River** Many programs contain in their binary code an embedded version ID, which is used by the AmigaDOS command 'Version'. River is not a replacement for this command, but rather an extension. River enables you to add this embedded version ID as a comment, or to print it in a table where each field of the ID is clearly printed. Version 2.00, freeware, binary only. Author: Chris Vandierendonck FF787

**RKMCompanion** A two disk set of material created by Commodore for use with the 1.3 revision of the Amiga ROM Kernel Reference Manual, Libraries and Devices, published by Addison-Wesley. Almost 300 files, including C source code examples and executables, have been packed into two iharc archives, one for each disk of the two disk set. These examples are not public domain, but may be used and distributed under the conditions specified in the copyrights. Author: Commodore Business Machines, Inc. FF344

**RKRM\_Devices** Part one of a four part distribution of complete source code and executables of all the examples in the third edition Amiga ROM Kernel Reference Manuals, published by Addison-Wesley. Part two is on this disk and parts three and four can be found on disk 742. Author: Commodore CATS FF741 & FF742

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**RKRM\_Lib1(LIB1-3)** Part two of a four part distribution of complete source code and executables of all the examples in the third edition Amiga ROM Kernel Reference Manuals, published by Addison-Wesley. Part one is on this disk and parts three and four can be found on disk 742. Author: Commodore CATS FF741& FF742

**RMBShift** A program that lets you use the right mousebutton (RMB) as a SHIFT-key. Useful when selecting multiple icons on the Workbench. Only uses 268 bytes of memory. This is version 2.0 an update to 1.0 on disk 547. However it is completely different from 1.0. Includes source in assembler. Author: Preben Nielsen FF555, FF547

**RoachMotel** A game where the object is to collect all the spray cans to complete the level. If you touch any creatures you will lose one life, except when stomping on a roach or hitting a roach or boyd with your head while wearing the toupee. Written in AMOS, binary only. Author: Ryan Scott FF807

**RoadRoute** A program that determines from a user modifiable data base the shortest and fastest routes between two cities. This is a German version of the distribution on disk 504 with 2641 German cities (towns hamlets etc) and 5555 connecting roads. Requires 1Mb. Binary only. Author: Jim Butterfield Gunter Kirnbach FF553, FF504, FF396, FF358, FF328, FF251

**Robert** Grey scale digitization of a startled young man, an IFF picture. AM7

**Robot** A picture of a robot arm grabbing a cylinder. AM12

**Robot** IFF picture of toy robot. AM7

**Robotroff** Another of Leo's cute little display hacks. This one has a definite attraction to pointers (don't want to spoil the surprise) Author: Leo Schwab FF59

**Rocket** Another interesting Workbench display hack. This one is really a game in disguise. It is the same as the one on FF82, but also includes source. Author: Peter daSilva FF85, FF82

**Rocket** Another program in the long tradition of screen hacks. This one zeroes in on your mouse pointer. Binary only. Author: Lars Clausen FF303

**Rocky** Another Boulderdash clone. This one multi-tasks and accepts keyboard or joystick inputs. Loads of game levels. This is version 1.0. Includes source in assembly. Author: Laurence Vanhelsuwwé FF629

**roff** A 'roff' type text formatter, roughly following 'Software Tools' version. Somewhat upwardly compatible with UNIX 'nroff' command. Author Ken Yap FF3

**RolandD110** A program to transfer sound samples between the Amiga and a Roland D-110. Version 1.0, binary only. Author: Dieter Bruns FF255

**RolandS220** A program to transfer sound samples between the Amiga and a Roland S-220. This is version 2.0, an update to MIDIsoft version 1.0 on disk 199. Includes several enhancements. Binary only. Author: Dieter Bruns FF255

**RollOn** A Soko-Ban like shareware game, submitted by the author. Includes both English and German versions, a level editor, and digitized sounds. Version 1.1, binary. By Tobias Eckert FF302

**RomCon** Converts a decimal value into a value represented by roman numbers. You can convert from decimal to roman or from roman to decimal. E.g. '1992' equals 'MCMXCII'. Version 1.10, freeware, binary only. Author: Chris Vandierendonck FF785

**ROMWack** Text files with tips on using ROMWack. AM1

**ROR** AmigaBASIC bogging graphics demo. AM8

**ror** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Rord** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Roses** A program that draws sine roses. Implements an algorithm given in the article 'A Rose is a Rose ...' by Peter M. Maurer in American Mathematical Monthly, Vol 94, No. 7, 1987, p 631. A sine rose is a graph of the polar equation 'r = sin(n\*d)' for various values of n and d. By Carmen Artino FF345

**ROT** C version of Colin French's AmigaBASIC ROT program from Amazing Computing. ROT edits and displays polygons to create three dimensional objects. Up to 24 frames of animation can be created and displayed. E-D AM18

**Rot** Program which generates and displays 3D objects. Consists of two pieces, an object editor and an action editor. The object editor creates 3D objects and the action editor defines up to 24 3D views of an object (which can be quickly cycled to get an animation effect). Version 0.5, binary only. By C. French FF71

**Rothello** Reversi/Othello like game that features the option to shift complete rows or columns of the playfield. Play a human or computer opponent. Version 1.0 shareware binary only. Author: Michael Koepke and Rolf Herrmann FF600

**Rounding Off Your Numbers:** Programming routines to make rounding your numbers a little easier. Author: Sedgwick Simons AC9

**RPN** An emulation of an Hewlett-Packard pocket computer on your screen. Version 1.00, includes source (SAS-C). Author: Maurizio Loreti FF539

**RPSC** A reverse polish scientific calculator. RPSC is a programmable RPN calculator in the Hewlett-Packard tradition. It supports operations with real numbers, complex numbers, matrices, and 3-D vectors, as well as storage and recall of labeled variables. Data and programs may be saved, loaded, or written as ASCII text, to AmigaDOS files. V1.1, binary. By Gary Teachout FF250

**RRamDisk** Another recoverable ram disk. This one supports up to 32 units and can be autobooted. Unused

sectors are deleted from memory. The ram disk can be formatted, copied to, or used just like a normal disk drive. Binary only. Author: Bob Dayley FF451

**RRT** Demo of a real time mapping of a reflection of a graphic onto a sphere. Is system friendly, multitasks, and uses an Intuition screen. Written in C with small assembler assist. Includes source. Author: Adisak Pochanayon FF849

**RSLClock** Yet another nice little clock utility that can sit around in your title bar. Lots of options. Version 1.3, binary only. Author: Roy Lauter FF67

**RSM** An ARexx compatible serial port manager. Run your serial port from other programs! Version 1.42, C source included. Author: Ron M. Battle FF786

**RTCubes** A little graphics demo that shows 16 3D cubes in a 3D space, all being translated, rotated, and drawn on the screen in real time. Binary only, takes over the machine, reboot to recover. Author: Ralph Russell FF67

**RTracker** A MOD player that is small, easy to use, highly configurable, follows CBM's style guide, supports automatic decompression of MODs, and more. Version 2.0, shareware, binary only. Author: Mike Manzano FF732

**Rublik** Another 3D Rubik's cube solver independently authored from the version on disk #285. Version 1.0, includes source. Author: Martin Roud FF362

**Rublik** Translation to C of a Rubiks Cube solver program originally written in Basic by John Murphy. Includes versions to do an 'unwrapped' 2D solution, and a more visual 3D solution. Version 0.0, includes source. Author: Roger Uzun FF285, FF29

**Ruler** Ruler is a small tool used in the measurement and con- strainment of text. Originally conceived as a tool for insuring that filenames didn't exceed the Amiga's 30 character limit, it is nevertheless useful in any sit- uation when the number of characters in a line of text needs to be counted. Version 5.00, includes source. Author: Thad Floryan, Chad Netzer and Dave Schreiber FF496

**Run68010** Allows you to run programs that use 68010-specific instructions on 68000-based machines. Uses self-modifying code. Simulates 68010-specific registers. Starts from both WorkBench and CLI. Includes source in assembly. Author: Kamran Karimi FF638

**Run68013** Emulates 11 of the 68020-specific instructions and its registers in a system with 68000. It does so using 68000 instructions and memory. None of the new 68020 addressing modes are supported. Runs from both WorkBench and CLI. An upgrade from the Run68010 on disk number 638. Includes source in assembly. Author: Kamran Karimi FF756

**Run68017** Provides run time emulation of about 30 of the 68020 instructions with a 68000. Only the emulated instructions can use the new 68020 addressing modes. Uses a gadget to enable/disable emulation. An upgrade from Run68013 on disk number 756. Includes source in assembly. Author: Kamran Karimi FF798

**RunBack** A very compact version of the popular utility for starting a CLI process in the background, without preventing the CLI window from closing. This version is pure and only 468 bytes long. Requires the NULL: device, which is included. Using NULL: makes it more flexible and robust than older RunBacks. Can optionally delay up to nine seconds after starting the command. Includes source in assembly. Author: Paul Kienitz. FF429

**RunBack** Allows you to start a new CLI program and run it in the background, then closes the new CLI. This is version 6, an update to the version on disk 152 (the version on disk 214 appears to be on a different evolutionary path). This version compiles under Lattice with many optimizations enabled, and can be made resident. Includes source. Author: Rob Peck, Daniel Barrett, Greg Searle, Doug Keller FF240, FF214, FF152, FF65

**RunBackGround** Ancient history, but when I went looking for it on my disks, it was apparently something I missed. This program performs a function similar to that performed by RunBack on FF66, but this one is in C rather than assembler. Includes source. Author: Rob Peck FF73

**Running** A classical maze and puzzle game. You run around in a maze and try to catch the ghosts or spiders. It is completely multitasking friendly and compatible with AmigaDOS 1.2/1.3 and 2.0. You can design your own levels. Binary only. Author: Jorrit Tyberghien FF418

**RussianFonts** This is a scalable vector font. It's the Russian equivalent of the Times Roman font. It comes in two versions, ADOBE TYPE 1 (pbf-file) and PAGESTREAM FONT (dmf-file). This Font is shareware. Designed with FontDesigner. Author: Daniel Amor FF805, FF517

**Rxgen** An ARexx library that allows you to call any function of almost any Amiga library from an ARexx program. This is version 1.0, binary only. Author: Francois Rouaix FF459

**Rxll** An ARexx interface library that makes it easy for programs to implement a complete, robust ARexx interface with minimal effort. Version 1.0, includes source. Author: Don Meyer FF299

**RxllShell** A set of routines to form an additional layer between the programmer and ARexx. Rxll\_shell sits on top of rxll on disk 299 and contains a few changes and bug fixes to the rxll routines. Using these routines adding ARexx support to a program becomes completely trivial. Version 1.0 includes C source. Author: Andrew Martin SciTech Software FF599

**S-Text** Turns texts into completely self-contained, self-displaying compressed files callable from Workbench or a CLI. S-Texts will save disk space and can be transferred from disk to disk without having to think about reader and decompression compatibility. Version 1.2, an update to version 1.1 on disk 760. Freeware, binary only. Author: Chas A. Wyndham FF817, FF760

**S220to8SVX** Converts sound samples from a Roland S-220/S-10/MKS-100 to 8SVX IFF 8-bit samples. This is version 1.4, an update to version 1.0 on disk 286. New

features include volume-adjust and start-endpoint setting. Includes source in assembler. Author: Dieter Bruns FF514, FF286

**Sabotage** Sort of an adventure game. ABaSiC program. AM3

**sabotage** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SafeBoot** Very handy intuition-based program to read and save custom bootblocks. The bootblock can then be later restored should the disk become virus-infected. Version 2.2, binary only. Author: Mark Lanoux FF175

**SafeMalloc** Ever have a program that corrupts its own memory? Well, this little gem can help you find the problem in a hurry. Acts as an interface between your program and the real malloc, checking for overrun, under run, and duplicate freeing of malloc'd space. Author: Bjorn Benson, modifications by Fred Fish FF27

**salestalk** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Sam** Another IFF sound player with several command-line options, plus several samples. V1.0, binary. By Nic Wilson FF182

**SAMP** An IFF sampled sound format designed for professional music use. It can be used for 16-bit samples, multiple waveforms, etc. Includes a SAMP reader/writer shared library, interface routines, and programming examples. Includes a program to convert 8SVX to SAMP. By Dissidents Software FF348

**Samp** Documentation and interface library for an IFF FORM SAMP, 16-bit sampled sound file format. This format allows more than one waveform per octave, and the lengths of different waveforms do not have to be factors of 2. Includes a utility to convert 8SVX files to SAMP format. Version 1.0, binary only. Author: Jeff Glatt FF307

**samplefont** A sample font that produces clubs, hearts, spades, and diamonds as its four characters. Shows precisely what is contained in an Amiga font. Author: Unknown FF5

**SampleScanner** By-passes the Amiga Dos file system and scans a disk directly, block by block, for sound samples. Allows you to hear the disk as it is being scanned. If a sample is found, it can be saved to disk for editing, direct use, etc. Author: Steven Lagerweij FF363

**SANA** Release 2 of the Standard Amiga Network Architecture device driver specification. This is a specification for the device driver level only. Author: Raymond Brand, Martin Hunt, Perry Kivowitz FF540

**SANA** The official Commodore developer information package for the SANA-II Network Devices Drivers. Includes the SANA-II spec, readme files, SANA-II drivers for Commodore's A2065 (Ethernet) and A2060 (ARCNET) boards, docs and includes, and some examples. Release version 1.4, update to version on disk number 673. Author: Commodore-Amiga Networking Group FF779, FF673, FF654

**Sand** This program has 'magnetic grains of sand' that follow the pointer wherever it goes. Cute. Binary only. Author: Eric Vaughan FF82, AM21

**SandGlass** A program to animate the original Workbench busy pointer. Only for Workbench/Kickstart up to version 1.3. Version 1.0, includes source. Author: Dirk Remmelt FF548

**SASTools** Various submissions from 'Sick Amiga Soft'. Includes some virus tools, some screen hacks, some small games, and miscellaneous utilities. Includes source in assembly and Modula-II. Author: Jorg Sixt FF338

**SatTrack** A satellite tracking program. Allows for selection of a data- base that can contain up to 300 satellites. Tracks satellites on a graphics display of the world. All graphics are IFF com- patible, allowing for loading of display to standard painting program. Allows for input of satellite information using either standard data format or by simple user input. All operations use standard windows and menus. SatTrack has a simulation mode that allows for predictions in the future. This is version 2.1A, demo copy, binary only. Author: Randy Stackhouse FF680

**Saturn** An IFF picture. AM6

**Saucer** Simple shoot-em-up game. ABaSiC program. AM1

**SaveILBM** This program saves any screen as an IFF pic. Executable program and documentation. AM8, AM7

**SaveW** SaveW is the counterpart of SizeW. It saves the current win- dow coords to a file (if given) or to STDOUT. Includes some useful shell aliases. OS 2.x only. Version 1.3, freeware, binary only. Author: Hans-Peter Guenther FF750

**saxophone** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Sb** Structure browser, that displays system structures via pointers found in other structures. You start from IntuitionBase and go from there. Version 1.0, includes source. Author: Nick Sullivan and Chris Zamara FF69

**SBackup** Programmers utility to assist in maintaining old versions of source code. SBackup maintains 2-99 old versions in any location desired. Version 1.00e, binary only. Author: George Kerber FF432

**SBall** A game using the joystick to control a 'bouncing ball'. Binary only. Author: Hertzig Wolfgang and Meisner Christian FF461

**SBProDemo** A restricted use trial version of Superbase Professional 4 complete with sample application. The limitations are 35 records max per file, programs can be edited but not saved, and forms can be edited but not saved or printed. In every other respect this is identical to the release product. SBPro4 is compatible with SB4 Windows V1.21. Version 1.0, binary only. Author: Precision Software Limited. FF492

**SBProlog V1.a** Volume 1 of the 2 volume Stony Brook

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**Prolog (SBP) distribution, version 2.3.2.** This volume contains the executables and libraries. Volume 2, on FF 141, contains the C and Prolog source code. From the SB-Prolog System, Version 2.2 User Manual: 'SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook. FF140

**SBProlog V1.b** The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog.' FF140

**SBProlog V1.c** In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden FF140

**SBProlog Volume 2 of the 2 volume Stony Brook Prolog (SBP) distribution, version 2.3.2.** This volume contains the C and Prolog source code. Volume 1, on FF 140 contains the executables and libraries. From the SB-Prolog System, Version 2.2 User Manual: 'SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook. The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog.' In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden FF141

**Sc** Program which demonstrates generation of good looking pseudo-random scenery. Includes source in C (translated from Draco version on FF61). Author: Chris Gray FF87

**Scale** Plays 1-4 simultaneous musical scales on the Amiga's 4 sound channels, using Rob Peck's AudioTools package. Six octave range, ascending/descending, multiple steps, several different speeds of playing simultaneous scales, overall tempo controller. Intuition interface. Includes source. Author: Dick Taylor FF787

**Scales** Sound demo plays scales. C program in C source code and executable program. AM3

**scales** Demonstrates use of the Audio functions in the ROM to produce four voice sounds. It uses a simple waveform (sawtooth) with no amplitude control (ie, envelope) or frequency variation (ie, vibrato), but these can be easily implemented. Also includes considerable documentation on audio device. By Steven A. Bennett FF6

**ScanCLI** utility to display the individual character contents of any file. Displays the ASCII and Hex values, count and percentage of total along with actual character (if displayable). Listing is displayed on a console window or optionally written to an output file. Possible uses would be to scan files for binary characters, relative character counts, matching numbers of special characters, determining L/F/C configurations, etc. Version 1.0, includes source. Author: Dan Fish, console routine by Jim Cooper FF464

**ScanProgram** to scan file contents for matches to one or more specified patterns. Claimed to search hard drives twice as fast as the best search programs currently available, and ram drives five times faster than other programs. Can optionally scan the contents of files in LZH and LHA archives. Supports searching for multiple patterns simultaneously. Other features include extensive wildcard support, optional inverted pattern matching, recursive directory scanning, line search highlights of matching words with selectable color, and more. This is version 1.0. Includes source. Author: Walter Roth FF670

**SCAN8800** A specialized database program to store frequencies and station names for shortwave transmitters. It can also control a receiver for scanning frequency ranges. Version 2.28, an update to version 2.27 on disk 803. Now works on NTSC Amigas. Binary only. Author: Rainer Redweik FF812, FF803

**ScanIFF** Scans through an IFF file, identifying the elements. Faster than standard utility IFFCheck since it uses Seek, but does not do IFFCheck's detailed format checking. Intended for use as a template from which programmers can code their specific application. For example, an expanded version has been used to extract instrument data from music files. Includes source in assembler. Author: Jim Butterfield FF358

**Scanner** Scanner makes commented C code of all intuition structures in memory. The structures will receive correct pointers towards each other. Scanner starts looking at IntuitionBase, and follows all pointers, storing them in memory. When finished, it writes all the structures to the standard output. Version 1.0, includes source. Author: Stefan Parmark FF218

**Scanning the Screen:** Part four in the fractals series. This article covers drawing to the screen. In AmigaBASIC and TrueBasic. Author: Paul Castonguay. AC7

**SCAT V1.00** Utility to 'cat' binaries without blowing up the display FF168 & 169

**Scat** Another display hack, created from Le, AM180 Schwab's 'ing' display hack. Binary only. Author: Stephen Pietrowicz FF81

**SceneGenDemo** Demo of a program called Scene Generator, that generates very realistic looking landscapes. This program is an enhanced, low cost commercial version, of the Scenery program included on disk 155. This is version 2.03, binary only. Author: Brett Casebolt FF299

**SceneryA** Very nice assembly language random scenery

generator. Generates very realistic looking landscapes. Includes intuition interface and lots of menu options. Version 1.0, binary only. Author: Brett Casebolt FF155

**Scheme** 'Scheme is a statically scoped and properly tail-recursive dialect of the Lisp programming language invented by Guy Lewis Steele Jr. and Gerald Jay Sussman.' Binary only. Amiga port by Ed Puckett FF149

**Scheme2C** A Scheme compiler which accepts the language defined in the essential portions of Revised Report on Algorithmic Language Scheme with minor constraints and some additions. The compiler produces C source files which are then compiled using the system's C compiler (Lattice C 5.10 on the Amiga) to produce conventional object and executable files. Because of the size of the distribution it has been split onto three disks as follows: source and documentation archives on 556 M68000 binary archive on 557 and M68020 binary archive on 558. This Amiga port was done by Mike Meyer based on the 28-Sep-90 version of the translator. Author: Digital Equipment Corporation FF556, FF557 & FF558

**Schoonschip** A pioneering algebraic manipulation program which has been used in particle physics and continuously developed since late 1963. Not as friendly as Mathematica or Maple with no graphics or intuition interface and not as much built in but still a general purpose algebraic manipulation language. Written in machine language to run fast and be memory efficient. Capable of handling large problems. Includes large and small workspace versions tutorial examples sample programs and a comprehensive manual. Version 5-Oct-91 binary only. Author: Martinus J. G. Veltman and David N. Williams FF568

**ScienceDemos** Some science demos. Sidereal is a tutorial program which introduces the user to the relationships between Julian and calendar dates and solar and sidereal times. J2000 is a utility program which converts stellar positions, proper motion, parallax and radial velocity from the standard epoch B1950 (FK4) to epoch J2000 (FK5). Galilean is a tutorial program which determines the position of the Galilean satellites relative to Jupiter. Programs courtesy of David Eagle at Science Software. FF27

**SciSubr** The Scientific Subroutine Package from DECUS, ported to the Amiga to run with Absolt Fortran. This is a valuable resource of mathematical and statistical source code for those doing Fortran work on the Amiga. Author: Unknown; ported to the Amiga by Glenn Everhart FF142

**SCM** Screen Color Modifier. A palette program that allows the changing/saving/loading of a screen's colors. Includes a separate loader program that can be used in batch files to set a screen's colors to predefined values after a program has been launched. Version 1.0, binary only. Author: Jean-Marc Nogier FF367

**ScnSizer** Sets the preferences data for increasing the window bounds, and takes effect immediately. Includes source. Author: Thad Floryan FF79

**ScottDevice** A mountable MicroForge SCSI driver. Supports one SCSI buss device with two hard disk units attached to it. Version 33.1, includes source. Author: Scott Turner FF84

**SCRAM500** The first of a series of Public Domain 'KitWare' hardware projects for the Amiga. On this disk you will find the design for an 8Meg RAM and SCSI controller for the Amiga 500 (SCSI Ram for the 500 = SCRAM 500). You will also find an order form to obtain PCB, chips and whatever you need to build one. The SCRAM 500 is easy to build, cheap and should be useful to a lot of people. Included in this distribution is complete documentation on how to assemble a SCRAM 500, notes for Amiga 1000 owners, a description of the custom chips, design notes, troubleshooting guide, user's manual, bill of materials, 12 HPGL plot files for schematics and PCB layout, hard drive partitioning software, a mountable device driver, a ROMable driver, and more! Author: Norman Jackson FF698

**ScramblerA** simple program that will encode/decode a text file into illegible gibberish, which resembles executable code, to evade prying eyes..Version 0.01, Binary only. By Foster Hall FF148

**Screen Saver:** A quick remedy to prolong the life of your monitor. Author: Bryan Catley AC8

**ScreenDump** Dumps rastport of highest screen/window to printer. Author: Carolyn Scheppner FF33, AM8

**ScreenJaeger** A screen capture program that works by scanning through memory, allowing you to grab screens from programs that don't multitask, and save them as IFF files. Features include an Intuition interface, multiple bitplanes, support of all Amiga display modes and resolutions, CHIP and FAST memory, overscan, and both NTSC and PAL. This is version 1.0, includes full C source. Author: Syd L. Bolton FF523

**ScreenMod** Allows you to modify most of the parameters of any screen structure in memory, including colors and viewmodes. Use-ful for PAL programs which open their screens low. Has a companion program to automate changes later on. This is version 1.0, includes source. Author: Syd Bolton FF493

**ScreenSaveA** program to save a normal or HAM mode screen as an IFF file. Also creates an icon for the saved file. Author: Carolyn Scheppner FF55

**ScreenShare** A library and support programs that enable applications to open up windows on other applications' custom screens. For example, your editor may want to open a window on your terminal emulator's screen so you can compose a message while still being able to see the contents of the terminal's screen. Both applications must cooperate for the screen sharing to work. This is version 1.21. Includes source for interface portions. Author: Willy Langeveld FF308, FF246

**Screenshift** Screenshift is a small program that allows you to adjust the position of the screen on your display, just like the preferences function. Works from CLI or WorkBench.

Includes source. Author: Anson Mah FF89

**ScreenSnap** ScreenSnap allows you to save and close screens of any appli- cation. It requires OS 2.04 and includes German documenta- tion. This is version 1.12, binary only. Author: Oliver Graf, T.O.M. Software Wuppertal FF688

**ScreenXA** program designed to make getting at screens easier, particularly screens that are lost behind other screens that don't give you depth gadgets. You can pop them to the front, push them to the back, save the screen to an IFF file, print it, and even try to close it. This is version 3.0, an update to version 2.1 on disk 158. Binary only. Author: Steve Tibbett FF418, FF158

**ScreenZap** A utility that forcibly removes screens and windows from your system. Useful to get rid of zombie screens or windows that have been left around by aborted or buggy programs. This is version 2.3 and includes source. By Lars Clausen FF303, FF157

**Scrimper** Short for 'SCReen IMage PrintER'. A screen dump utility which can be run from the workbench or the CLI. Author: Perry Kivolowitz FF18, AM8

**ScriptA** script language that allows you to automate actions you would normally have to do manually. Script can do anything that you do manually, by either the mouse or keyboard, by using a set of commands that instruct Script to simulate specific mouse or keyboard actions. Also has an ARexx port, so it can be driven by ARexx allowing ARexx control over programs that do not have ARexx ports. Includes both a recorder to generate scripts and a player to execute them. This is version 1.20, binary only. FF288

**ScrntTst** A program to reveal small irregularities in the beam sweep of computer monitors. Uses the MOIRE effect to render such defects more readily observable. A short program which should be compatible with OS 1.3 as well as release 2.0. Version 2.0, binary only. Author: William Barish FF785

**ScrollDemo** Demonstrates the text scrolling capabilities of AmigaBASIC. AM9

**ScrollPI** Creates and displays a 400 by 300 by 2 bit plane playfield on top of a 320 by 200, 2 plane deep playfield, as a demo of dual playfield display. Author: Carolyn Scheppner FF35

**Scrub** A floppy drive cleaning program which automatically detects which drive has a cleaner diskette in it. Spins it for thirty seconds while moving the heads around. Pure. Includes source. Author: Paul Kienitz. FF429

**SCSImounter** An interactive, fully automated partition mounter especially suited for removable media SCSI drives. SCSImounter auto- matically scans the Rigid Disk Block of the drives and presents the user with a partition selector which allows the individual selection of the partitions to mount. Requires Kickstart 2.0. Binary only. Author: Martin A. Blatter FF532

**SCSIPrefsA** Preferences editor for the battery backed up memory in the Amiga 3000. This small program allows you to change the bits that control some parameters of the embedded SCSI host adaptor. Requires Kickstart 2.0. Binary only. Author: Martin A. Blatter FF532

**ScsiTape** A Scsi-Direct tape handler that implements fully asynchronous double-buffered read and write operations. If you have disk / tape drives which support reselection then the handler will be able to operate on the tape concurrently with disk accesses meaning that an archiver such as Tar will not 'freeze' while tape operations are in progress. Includes source. Author: Matthew Dillon FF791

**SCSLutil** A CLI utility to issue commands to a SCSI disk using a spe- cific SCSI id number. Commands include inquiry, seek, start/ stop motor, read sector(s), read capacity, etc. Freeware, includes source. Author: Gary Duncan FF669

**SCT** A CLI-based utility (SetColorTable) for displaying and/ or setting a screen's colors. You can save the colors of a screen to be restored later, or copy one screen's colors to another. Includes source. Author: aklevin FF151

**ScudBusterA** Scuds vs. Patriots missile game. This game is a combination of the old Missile Command Battleship and Stratego games rolled into one. Set up your strategy and launch missiles at your enemy while he launches missiles at you. Version 0.8 binary only. Author: Howard Dortch FF597

**SculptTools** Programs to create objects for use in Sculpt 4D. Includes Brush\_4D to convert IFF brushes to objects in full color with HAM and EHB support and wrap to various shapes (update to version on disk 361). Fractal\_4d to create fractal mountains with various coloring from brush, checkers or based on altitude, and Spiral\_4d to create a variety of objects based around tubes and helixes. Binary only. Author: Bruce Thomson FF430

**Sdb** Simple database program, originally released on aDECUS VAX SIGtape. Unknown author, Amiga port by Mic Kaczmarczik FF33

**SDBBackUp** A hard disk backup utility. CLI interface only. Does file compression. Version 1.1, binary only. Author: Steve Drew FF128, AM26

**SeaHaven** Demo version of a solitaire type card game. The object of the game is to separate the deck into its four suits, each in an ordered stack from ace to king. Version 1.1, binary only. Author: Steve Francis FF260

**SeaLance** Game based on a Trident submarine simulator. You must use the weapons at your disposal to liberate the earth's cities from alien occupation. Binary only. Author: Jason Bauer FF462

**Search Utility:** A file search utility written in C. Author: Steven Kemp AC6

**Sectorama** A program designed to help Amiga users recover lost or damaged data from floppy or hard drives, or to repair a damaged volume. The author wrote this out of frustration with existing tools when he had multiple hard disk drive failures over the course of several months. This is version 1.1, an update to the version on disk 102. Binary

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

only. Author: David Joiner FF108, FF102, AM24

**Set** This is the GNU sed (stream editor) program, ported to the Amiga. Sed copies the named files, or the standard input, to its standard output, while performing certain editing operations specified in the command line script or in a scriptfile. Version 1.02, includes source. Author: Unknown, ported to Amiga by Edwin Hoogerbeets FF231, FF128

**SeeHear** A program to do a spectrogram of a sampled sound file. This is a graph with time on one axis, frequency on the other and the sound intensity at each point determining the pixel color. With source in C, including FFT routine. This is version 1.1. Author: Daniel T. Johnson FF335

**Seeker** A 'find file' type utility for AmigaDOS 2.0 with more 'features than most such programs. Intuition interface supports AmigaDOS and unix-like wildcards. Several operations can be performed on found files. Version 1.2 shareware binary only. Author: Donald Lloyd FF590

**SeePix** Based on Olaf Barthel's 'Loadimage v1.11'. SeePix is an IFF viewer/printer, featuring the ability to modify the colors of a pic for printing, allowing for truer colors in the printout (i.e. Blue prints Blue, not Purple), without modifying the pic itself. SeePix features an ARP interface, iconization and the PathMaster File Selector. Manx AZTEC 'C' Source included. Author: Hank Schafer FF785

**Selector** A program that helps you assemble programs on a boot disk and start them in a user friendly way by putting up a window with gadgets to launch programs. Version 3.0, update to version 2.5 on disk 302. Binary only. Author: Nico Francois FF542, FF302

**SendMouse** Brush up on your mouse code with this simple program that will read an input textfile and output the characters at an adjustable rate. Author: Joe Larson FF175

**SendPacket** General purpose subroutine to send AmigaDOS packets. Author: Phillip Lindsay FF35

**SendPackets** Updated versions of the ASendPacket and SendPacket examples from FF35. A SendPacket is an example program for sending multiple packets asynchronously to a DOS handler, for those interested in implementing programs with asynchronous AmigaDOS file I/O. SendPacket is a general purpose subroutine to send AmigaDOS packets. Includes source. Author: Phillip Lindsay FF66

**SensoPro** You try to remember and mimic the sound/color sequence played by the computer. Each time you get it right, another sound/color is added to the sequence. Great practice in case you ever find yourself in a 'Close Encounters of the Third Kind' experience. Binary only. Author: Peter Handel FF283

**Sentinel** A large ray-traced animation created with Turbo Silver SV, Deluxe Photolab, Deluxe Paint II, and the Director. It consists of approximately 60 to 70 frames of animation, rendered during a period of about three and a half weeks. This is Bradley Schenck's entry to the 1989 BADGE Killer Demo contest, and won first place in the contest. Because of its size, it has been split across two disks. The rest of the files are on disk 264. Requires 3Mb or more of memory to run. Author: Bradley Schenck FF263 & 264

**serial** Demonstrates access to the serial port. Requires an external terminal connected to the serial port. Author: Unknown FFS, AM5

**serisamp.c** Example of serial port use. C program. AM4

**seritesc.c** tests serial port commands. C program. AM4

**SerLib** A shared library providing easy access to any serial device. Allows both synchronous and asynchronous access to the port. With support code for Lattice, Manx and Oberon. Includes examples in both C and Oberon (with source) and docs in ASCII, DVI, and PostScript. Shareware. Author: Garry Glendown, Oberon-interface by Frank Schummetz FF523

**SetReplacement** for the Manx 'set' command (to set or change environment variables) with several improvements. Author: Tomas Rokicki FF31

**Set040A** program to remap Kickstart V2.04 or greater from ROM into 32 Bit Ram on an Amiga equipped with a 68040 CPU, using the MMU, with optional parameters for greater compatibility between various 68040 boards and optional patch to stop drives from clicking. It can also load a different Kickstart than the one currently in ROM, manipulate both caches, and display information regarding some 68040 registers and modes. Version 1.15, an update to version 1.14 on disk 628. Includes source code in assembly. Author: Nic Wilson FF642, FF628, FF619

**SetAlternate** Merge the images from two icons to produce one icon with a primary image, and a possibly completely different image to display when selected. By John Toebes VIII FF12, AM8

**SetAsIDim** A very small and simple 2.04-only utility which lets you set the position and dimensions that the ASL file, font and screen mode requesters will assume as default. It obtains this result by SetFunction()ing the AllocAslRequest() call of the asl.library. Binary only, CLI usage only. Author: Sebastiano Vigna FF774

**SetBatt** A tool to set the configuration information saved in the nonvolatile ram of the A3000 clock chip. Allows you to adjust the SCSI select timeout and other system settings. Includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsein' Barthel FF535

**SetCCOPTS** Lets you easily deal with the MANX 'CCOPTS' environment variable. You can store settings to disk. Has a complete intuition interface. This is version 1.00, binary only. Author: Stephan Flother FF515

**SetClock** A utility to set or read the hardware clock on a Spirit Technology memory expansion board. Works in a manner similar to the SetClock utility which is supplied by Commodore with Amigas that have hardware clocks as standard equipment. Includes source in PCQPascal and assembler. Author: Willi Kusche FF390

**SetColors** A Palette replacement program that does a lot

more in only 3K. Can save and load color files, and update preferences. Update to version on disk 419, with bug fix. Includes source in C. Author: Pierre Carrette FF540, FF419

**SetCPU** A program designed to allow the user to detect and modify various parameters related to 32 bit CPUs. Includes commands to enable or disable the text/data caches, switch on or off the '030 burst cache line fill request, use the MMU to run a ROM image from 32-bit memory, and to report various parameters when called from a script. This is version 1.60, an update to version 1.5 on disk 223. Includes source. Author: Dave Haynie FF400, FF223, FF187

**SetFont** Allows you to change the system font with various command-line options. Cleans up all known bugs in FF75. V2.5, includes source in C++. By Dave Haynie FF182, FF75, FF41

**setjmp.asm** setjmp() code for Lattice 3.02. in Assembler. AM2

**SetKey** Keymap editor, version 1.0 demo. Version without save function disabled is \$25. Binary only. Author: Charles Carter (CodeWorks)Vpg Video Pattern Generator. Creates displays useful for adjusting monitors and setting up live shots with center cross hair, frame, dots, H lines, V lines and an adjustable rectangle. Version 1.0. Author: Mike Berro FF70, AM18

**setlace** Program to toggle interface mode on and off. When used with a black background, and amber or green characters, produces a nice CLI environment. By Bob Pariseau FF9, AM24, AM4, AM1

**SetMouse2** Program to set the mouse port to either the left port or right port. Author: Robert Burns at Commodore-Amiga FF20

**SetNoClick** Very simple program to set the NOCLICK flag in the public section of a trackdisk unit. Only works with version 36 and up of trackdisk.device. Includes source. Author: Marc Boucher FF392

**SetPALorNTSC** couple of utility programs for testing the suitability of a developed program in either the PAL or NTSC environments. With source and a sample program. By Peter Kittel FF162

**setparallel** Allows the CLI user to dynamically change any particular parallel port parameter. Author: Keith Stoble and Tom Pohor FF6, AM4

**SetPrefsA** CLI command which activates a system-configuration. Useful when different prefs are created (i.e. for the printer) and you don't want to continually change your existing system configuration. Version 1.0, includes source in assembly. Author: Michael Wilkes FF742

**SetPrefs** Allows you to build a whole library of preference settings and instantly switch back and forth between them. Affects all preference settings not just the colors. Very useful for machines with multiple users or multiple external devices. Includes Amiga's default and various sample preference settings. Binary only. Author: Martin Hippele FF157, AM18

**SetRamsey** A program that allows you to test the current settings of the RAMSEY ram controller chip on an Amiga 3000 under Kickstart 1.3 or 2.0 and change them if you wish. Useful for hardware debugging to control static column mode burst mode or change the refresh rate. Version 1.50 update to version 1.02 on disk 423. Binary only. Author: Nic Wilson. FF567, FF423

**SetSC** Allows you to change or remap the colours of a screen. SetSC gets the colourmap from a file by using the map's name, from the Workbench screen or directly from the command line. SetSC is very useful in scripts, where you can change the screen colours one or more times during script execution. Version 2.10, shareware, binary only. Author: Chris Vandierendonck FF787

**SetSerial.c** Set the attributes (parity, data bits) of the serial port. C program. AM4

**SetSystem** A very small and simple 2.04-only utility which forces the SYS\_UserShell tag on each System() call. This means that every application will use your user shell (for instance, Bill Hawes's WShell) instead of the system shell. Binary only, CLI usage only. Author: Sebastiano Vigna FF774

**Settime** Set the system time from the internal hardware clock. Written to be very small and fast. Also includes versions that can be installed as boot blocks. Version 0.9, includes source in assembly. Author: Andreas Ackermann FF718

**SetWindow** C program makes windows for a CLI program to run under Workbench in source code and as an executable. AM8

**SF2** File search utility. Default searching starts from the root directory of the specified device and descends down into its subdirectories. Searching includes looking into archive files generated by various compression utilities. Archive files ending with a .ARC, .LHZ, .ZIP and .ZOO are currently supported. Lots of command line options. Requires ARP 1.3 (rev. 39.1). Version 2.0, binary only, shareware. Author: Andrea Sautoni FF400

**SFCoder** A program that allows you to encrypt and decrypt files by using a password. Uses complex routines to assure the security of your data. Requires OS 2.0 to run. Version 3.2, an update to version 3.0 on disk 687. Freeware, binary only. Author: Stephan Fuhrmann FF704, FF687

**SFRagMem** Graphically shows memory fragmentation. The graphic display is sizeable. Also displays some other information of the exec memory header. Version 1.01, first release, requires OS 2.0. Includes source in C. Author: Thies Wellpott FF761

**SGD** This program makes it possible to delete games, that are saved by any of the existing Sierra adventures (e.g. Leisure suit Larry). The program has a LEARN-option for including new adventures. Version 1.0, binary only. Author: Maico Ditzel FF488

**Sh** Another version of the 'Sh' utility to unshar shell

archives. Apparently corrects some problems encountered by similar programs. Until we can get everybody using some sort of 'standard', perhaps if we collect enough of these utilities, we will eventually find one that works with the particular archive we're trying to unshar! Includes source. Author: Jim Guilford FF174

**shades** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ShadowMaker** Demo version of an Intuition based Font shadow generator. In seconds you can convert your favorite fonts into color fonts with professional video shadows built right in. The only restriction for this demo is that the final font height at SAVE times must be less than 40 pixels in height. Version 1.5, an update to version on disk 428. Binary only. Author: Stephen Lebens FF460, FF428

**ShadowMaster** A modular screen saver system for AmigaDOS 2.0. It allows you to choose a saver module to be used at blank time and to build utility modules that may (or may not) choose the actual saver. Version 37.7 includes partial source. Author: Mike Meyer FF597

**ShangalDemo** Demo version of the Activision game 'Shanghai'. Submitted directly by Activision for inclusion in the library. FF55

**Shapes** Simple color shape designer. ABaSiC program. AM1

**shapes** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Shar** Two programs to pack and unpack shell archives on the Amiga. Shell archives are the traditional Uneset method of bundling multiple text files for posting as a unit or for sending via electronic mail. With source in C. By Fabbian G. Dufosse FF92, FF28

**Shared Libraries 'C':C** source and executable code that shows the use of shared libraries. Author: John Baez AC2

**SharedLibWorking** example of how to build a shared library. Includes source. Author: James Sygne FF79

**SharpFont** is an 8 pixel non-proportional font. FF105

**Shazam** A picture viewer for Dynamic HiRes images created with Macro Paint, the 4096 color high resolution paint program from Lake Forest Logic. Version 1.1, includes two sample Dynamic HiRes images and source for display program. Author: Lake Forest Logic FF449

**SHELL** V2.10 Added environment variable support and more. Use ConMan if you want command line editing, I do (it should not be a function of the shell and it isn't in mine). FF168 & 169

**shell** A simple csh style shell with history and some other goodies. Still needs some polishing and enhancement, but is quite nice as it. Thanks Matt!!! We've really needed something like this for a long time. Now if you would just do a ksh version instead... Author: Matt Dillon FF14, AM2

**Shell2Front** A simple, small and pure utility to be launched by a hotkey. It brings to the front, the first shell window it finds, including its screen. Version 0.12, binary only. Author: Gérard Cornu FF741

**ShellTimer** A well behaved shell based stopwatch program. Being shell based the timer can be controlled from AmigaDOS scripts from Arexx macros from makefiles or interactively. Requires AmigaDOS 2.04. This is version 1.0. Includes source. Author: John Lindwall FF638

**ShellTools** Four small useful programs. PIPE provides command line pipes, HISTORY allows the history to be loaded, saved, and listed, FOREACH is a fancy loop and variable expansion command, and RECORDER saves all console input and output in a file. Binary only. Author: Andy Finkel FF673

**ShifIt** A small game, for installation on the workbench. Useful if you must wait for the compiler or something else. Binary only. Author: Robert Brandner FF664

**Shm** A simple graphics demo which approximately simulates the motion of two interacting pendulums. Includes source. Author: Chris Ediss FF97

**ShortCut** A utility that collects keystroke sequences and allows you to replace them with a single key stroke. Binary only. Author: Opher Kahane FF90

**Show** A nice, very small slideshow type program, version 2.1, binary only. Author: Andy Rachmat FF60

**Show** A very versatile program to display IFF ILBM files. Features realtime unpacking scroll, smart analysis of any IFF file, total control over display modes, simple slideshow processing, pattern matching, and a dozen other options. Only 9K. Version 2.0, binary only. Author: Sebastiano Vigna FF323

**Show\_PrintII** Views and prints IFF pictures, including larger than screen. AM22

**showbIgl** Executable program which will view hi-res pics in low-res superbitmap. Documentation included. AM12

**ShowBlz** A fun animation with mice, a dancing alligator, a sheep on a trampoline, and more. Includes source in 'director format'. Author: Robert Corns FF261

**ShowDiskA** useful program that graphically shows the map of sectors used on floppy drives by one or more files. The mapping is color coded so you can identify what sectors are used by the various directories and files. Includes source in assembly language. Author: Bernhard Meisner FF269

**ShowGadgets** A simple utility to view all gadgets in a window. Includes source. Author: Jorrit Tiberghin FF420

**ShowgerbA** Gerber display program. Gerber plotfiles are generated by several CAD packages. This program will display them on an Amiga using 1.3 and probably 2.xx and 3.xx. Source is not included but can be requested from the Author. Includes several sample plotfiles. Version 1.00, binary only, shareware. Author: Paul Gill FF785

**ShowGuru** Recognizes 168 different guru numbers and translates them to 'human understandable form'. Can also

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print the result. Version 2.1.b shareware binary only.  
Author: Thomas Carstens FF562

**ShowHAM** Program to display HAM (Hold And Modify) mode images from the CLI environment. Executable only. FF32, AM7

**Show!** A CLI tool which displays all given icons in the original OS 2.0 look. It opens a little window displaying the icon where you can select and deselect it. By pressing 'n' the next one is displayed. This is version 1.9. FreeWare, binary only. Author: Hans-Peter Guenther FF741

**ShowILBM:** A program that displays lo-res, hi-res, interlace and HAM IFF pictures. Author: Russell Wallace AC5, AM7

**ShowLink** Tool to list hardlinks. Also tells which file or directory the link points at. Version 1.1, includes source in Oberon. Author: Christoph Teuber FF683

**ShowPrint** A full-feature IFF picture file screen dump utility. Can display and print all sizes of pictures including those larger than the screen. Allows adjustment of printer output in three modes: ASPECT, FULL, and CUSTOM output. Print vertically or horizontally, in B&W, grey scale, or color, etc. Binary only. Author: Brian Conrad FF90, AM16

**ShowPt** CLI program changes your pointer to a given pointer. AM26

**Shrink** A new archiver that uses dynamic arithmetic encoding with a dictionary size from 1-64Kb. Slower than other archivers, but seems to get better compression ratios. Another interesting feature is that it uses an IFF format for its archive files. Version 1.1, binary only. Author: Matthias Meixner FF699

**Shuffle** A basic screen shuffler. Re-defines the key combination Left-Amiga-M to push the FRONT screen to the back, instead of pushing the Workbench screen to the back. Includes source. Author: Rob Eisenhuth FF229

**ShuffleRun** A game for two players. Try to collect more points than the other player. A level editor is implemented. 300 levels are included, 100 can be edited. Version 1.0, freeware, includes source. Author: Benjamin (Pink) Stegemann FF815

**shuttle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM8, AM1

**ShuttleCock** Yet another animation from Eric Schwartz. Eric wanted to see if he could still do an animation that required less than 1 MB to run. Released May 1991. Author: Eric Schwartz FF504

**ShuttlePatch** A shuttle mission patch in an IFF picture. AM6

**SID** A very comprehensive directory utility for the Amiga that supports at least a couple of dozen different commands for operating on files. Version 2.0, an update to version 1.06 on disk 33B. Binary only. Author: Timm Martin FF651, FF338

**sign.** This is an updated version of the program released on FF12, and now includes full source. Author: Barry Whitebook @ Commodore-Amiga FF14

**Signal** Two programs designed to make it easy to write shell scripts that must be synchronized with the operation of another, in order to avoid disk thrashing for example. Includes source. Author: Davide Cervone FF500

**SignFont** A keypad and font that will allow the user to be able to type in American Sign Language, provided that one knows the font. Author: Glyn Gowing FF211

**SiliCon** A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is 'Sili(Con:)'. Binary only. By Pete Goodeve FF102

**SiliconSec** A bowling league statistics generator. Teams are ranked by win/loss record & total pins. Tracks team and individual statistics. Absent and 'blind' bowlers floating and team subs easily entered. ABC/WIBC award lists recap forms simple newsletter article and other options can be generated each week if you want them. A address list phone list mailing labels and end-of-season report meeting ABC/WIBC requirements may be generated any time. Online help with search may be edited by the user. Runs from the Workbench or CLI. One meg required. Version 1.51 binary only. Author: Allen Maroney FF626

**Sim** A simulator for register-transfer nets, which are used to describe hardware systems. This version also provides a compiler to define new devices in addition to Sim's internal devices. V4.2, an update to FF229. Binary only. By Gotz Muller FF291, FF229

**SimCPMA** CP/M simulator for the Amiga. Simulates an 8080 along with H19 terminal emulation. Includes source. This is V2.3, an update to FF109. By Jim Cathey; Amiga port by Charlie Gibbs and Willi Kusche FF186, FF109

**SimGen** This program will add a 2 or 4 color picture to your WorkBench screen. If the picture is digitized, it will look much like a genlock, hence the name SimGen (Simulated Genlock). Binary only. Author: Gregg Tavares FF243

**SimpleReq** An example of a custom requester from Module-2. AM11

**SimpleRexx** A set of routines that handle the low level ARexx work for you in such a way as to have your application work with or without ARexx on the target system. The goal of SimpleRexx is to make adding at least the minimum level of ARexx support to an application a trivial task. Includes source. Author: Michael Sinz FF539

**SimSmart** A general purpose utility that prints the program source code of almost any language, so that (for example) the keywords are emboldened and underlined, and the comments are italicized. These features are adjustable by the user, to suit individual taste. Tabbing also is adjustable, to harmonize with the nesting depth of a particular program. Output may be either on the printer, the screen, or to another file. SimSmart may easily be extended by the user to deal with extra languages. Version 2.10, shareware, binary only. Author: David Simon FF528

**Sing** Sing will read a text file (actually ANY file) and try to 'sing' the characters in it using internal simple waveforms in 4 voices. Binary only. Author: Richard Lee Stockton FF771

**singlePlayfield** Creates and displays a 320 by 200 by 2 bit plane single playfield display. Completely covers Intuition's display, but gives the system back at exit. Author: Rob Peck FF5

**singplay.c** Single playfield example. C program. AM4

**SIODA** small scheme interpreter (Scheme In One Defun) which can be used for calculations or included as a command interpreter or extension/macro language in other applications. This is version 2.4. Includes source. Author: George Carrette FF525

**Sirds** Generates & Prints 'Single Image Random Dot Stereograms'. These are 3D images viewed within a picture of seemingly random dots. Version 1.1, binary only. Author: Ross Fuller FF763

**Sit** An update to the Set Icon Type program from FF 107. Version 1.10, includes source. Author: Stephen Vermeulen FF137

**sitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Size** CLI program shows the size of a given set of files. Executable program and documentaion. AM19

**SizeChecker** Size checker uses a list of possible sizes of a file to check for unexpected changes in the size of those files. For example, it can be used to spot a link virus or to point out changes in the configuration of your system. With the appropriate comments added to your size list, you can check to see what version of the files you are using (1.2, 1.3, 1.4, ARP, etc). Version 1.0, binary only. Author: Roger Fischlin FF244

**SizerA** small and pure shell utility that gives the size in bytes, blocks and the actual size occupied by a directory, device, file or 'assign'. Accepts multiple arguments. Version 0.81, an update to version 0.36 on disk 777. Now requires KickStart 37.175 or higher. Binary only. Author: Gérard Cornu FF805, FF777, FF741, FF699

**SizeW** SizeW is a tool that lets you change the size and the place of the currently active window. You can specify coords from commandline or optionally from a file. This is a companion to SaveW. Includes some examples in the docfile. OS 2.xx only. Version 1.5, freeware, binary only. Author: Hans-Peter Guenther FF750

**Sizzlers** A series of graphics demo programs. Version 1.7.0, binary only. Author: Greg Epley FF90, FF50, AM15

**Skel** A skeleton workbench application that makes writing workbench programs easier. Provides routines for main, initialization and termination, gadget and menu handling, argument processing, help window, about requester, etc. Version 1, includes source. Author: Joel Swank FF304

**sketchpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Skew** Skeleton Writer is a tool for generating C code for various Intuition based applications. You click the mouse and the code gets written. Similar to PowerSource and GadToolsBox, but with slightly different functionality. V1.2, update to V0.85 on FF658. Includes source. Author: Piotr Obminski FF746, FF658

**SkewB** Rubik cube demo in hi-res colors, C program in C source code and executable. AM3

**skewb** Not quite sure what this is supposed to be, it was downloaded from a BBS with no documentation. C'mon folks, at least put a three line description at the start of your programs! Author: Raymond S. Brand FF9

**Skinny C** Bob Riemersma's example for making small C programs. Source code, executable program, and documentation. AM19

**SKsh** A ksh like shell for the Amiga. Some of its features include command substitution, shell functions, aliases, local variables, emacs and vi style editing, I/O redirect- ion, pipes, UNIX style wildcards, a large variety of commands, and coexistence with scripts from other shells. Well docu- mented. Version 2.0, an update to version 1.7 on disk 489. New features include real pipes, AmigaDos 2.04 support, en- hanced ARexx handling, and more. Binary only. Requires AmigaDos 2.04. Author: Steve Koren FF672, FF489, FF381, FF370, FF342, FF309, FF291

**SKsh** A Unix ksh like shell for the Amiga. Some of its features include command substitution, shell functions, aliases, local variables, emacs and vi style editing, I/O redirection, pipes, Unix wildcards, a large variety of commands, and coexistence with scripts from other shells. Well documented. Version 2.1, an update to version 2.0 on disk 672. New features in version 2.1 include true piping between internal and external commands, background functions, aliases, and other shell constructs, enforce clean, several new commands, cross filesystem file and directory moves, and more. Binary only. Requires Amiga Dos 2.04. Author: Steve Koren FF791, FF672, FF489, FF381, FF370, FF342, FF309, FF291

**skysetserial** Allows the CLI user to dynamically change any particular serial port parameter. Author: Keith Stobie and Tom Pohorsky FF6

**SlavicFonts** A whole bunch of new fonts from Robin LaPasha. Version 1.0. Author: Robin LaPasha FF202

**Slicer** A program for creating abstract art based on mathematical functions, such as the Mandelbrot set, Julia sets, and related abstractions (chaotic dynamical systems). Features include fast fixed or floating point arithmetic, many different functions, many computation options, many coloring and rendering options, batch mode, multi pass mode, and four dimensional navigation. The pictures it makes can be thought of as cross sections or 'slices' revealing the insides of solid objects. This is version 2.1 an update to version 2.0 on disk 634. Binary only. Author: Gary Teachout FF836, FF634, FF249

**SlideMaster** A slideshow program that can show any IFF ILBM picture, including HAM, extra half bright, hires, interlace, and overscan, using several different wipes. Also

has an ARexx port and is fairly small. Version 0.1, binary only. By Aric Caley FF274

**SlideShow** Very nicely done slide-show program written in assembly language. Features forward/backward presentation and creative screen wipes. Currently works only with IFF lo-res pictures. Executable only along with some new IFF pictures to have come my way. Shareware (\$16). Authors: Mike McKittrick and Sheldon Templeton FF151, AM6

**slideshow** Instructional text to produce your own slideshows from the Kaleidoscope disk. AM12

**slot** A slot machine game written in AmigaBASIC. AM11

**SlotCars** A fast action one or two player game of 'dueling' slotcars. Shoot rockets at your opponent and avoid his. Binary only. Author: Brian Moats FF254

**SM** Small utility to center the display. Recorded version of 'ScreenShift' by Anson Mah (Disk 88), only half the size. Includes source. Author: Anson Mah, Lattice V5.04 recoding by Oliver Wagner FF390

**SmallC** An Amiga port of the Small-C compiler, written by Ron Cain and published in Dr. Dobbs' Journal, in about 1980. Small-C is a rather small subset of the full 'C' language. However, it is capable of compiling itself, and other small, useful programs. Requires an assembler and linker to complete the package and produce working executables. Includes source and binary. Author: Ron Cain. Amiga port by Willi Kusche. FF141

**SmallClock** A small digital clock in a window menu bar as a C program. AM8

**SmallLib** A replacement for amiga.lib that is about 8 times smaller. Binary only. Author: Bryce Nesbitt FF92

**SmallMath** 'Drop-in' replacements for the Commodore IEEE math libraries for users with a math coprocessor. Since these libraries do not contain the coprocessor-emulation code normally present, they are 60%-90% smaller than the usual libraries. For the same reason, however, they cannot be used without a coprocessor. Version 1.2, an update to version 1.1 on disk 718, fixes a bug in the cmp() function. Public domain, partial source included. Author: Laz Marhenke FF809, FF718

**SmallPalette** A very short replacement for the WB1.3 'Palette' program using the req.library's color requester. Source in SAS/C included. Public Domain. Author: Stefan Zeiger FF636

**SMan** A Mandelbrot generation program. Uses the mouse to select regions within borders of the Mandelbrot set to zoom up to magnifications of 10\*\*19. Includes math coprocessor support and options to save images as an IFF file. Shows example of assembly programming of extended precision for the 68881. Includes source. Author: David McKinstry FF447

**SmartDisk** A 512k pre-fetch scsi cache that currently supports xt.device, gypscsi.device and scsi.device. For users with not more than one drive on a device only. Version 1.3.1, includes source. Author: David Le Blanc FF754

**SmartED** Demonstration release of a DXT voice editor, librarian, bulk storage utility. When you run the Smart-ED demo you have one voice. Load, Save, and Receive voice have been disabled. This is version 1.0, binary only. Author: William Adjei FF708

**SmartFields** SmartFields is a replacement for Intuition string gadgets. It allows you to incorporate into your Amiga C programs the powerful editing capabilities often found in mini- computers. Includes full C source and documentation. Author: Timm Martin. FF430

**SmartIcon** This shareware program, submitted by the author, is an Intuition objects iconifier. Version 2.0 is still limited to iconifying windows, which is still very handy. It adds a new 'iconify gadget' to each window, that when clicked on, iconifies the window into an icon in the ram: disk. This is version 2.0. Includes source. By: Gauthier Groult FF316, FF214, FF134

**Smith-Corona D300** Printer driver for the Smith-Corona D300. AM9

**sMOVIE** A smooth scrolling text displayer, useful for creating video titles, slide show intros, etc. Includes source. Author: Martin Round FF362

**Smus3.6a** An enhanced version of the smus player that last appeared on FF58. Author: John Hodgson FF167

**Smush** Another display hack, feed it an IFF file and see what happens. Binary only. Author: Hobie Orris FF81

**SMUSMIDI** Converts SMUS Files output by Electronic Art's Deluxe Music Construction Set into standard MIDI files that can be read by modern sequencing software. Version 1.0, includes sample data files and source in C. Author: Thomas E. Janzen FF537

**SMUSPlay** Amiga Music Player AM23

**SmusPlayers** Two SMUS players, to play SMUS IFF music formatted files. Executables only. Author: John Hodgson FF58

**SNAG\_Pointers** Results of the Southern Nevada Amiga Groups (SNAG) first animated pointer contest. Authors: Various, pointer animation program by Tim Kemp FF364

**Snake** A variant on the old 'bouncing lines' program, this one uses multiple vertices and Bezier splines. Includes source. Author: KAJBjork FF89

**Snake** An updated version of the old computer game which lives in a Workbench window. You control a 'snake' which grows by eating 'frogs' and avoiding obstacles. Requires AmigaDOS 2.0. C source included. Author: Michael Warner FF810

**SnakePiT** A simple, yet addictive game in which you must get the snake (you) off of the screen. There are, however, some rough spots and some obstacles that may need to be overcome. Excellent example of a game that is as system friendly as possible(with source). By: Michael Sinz FF343

**SnapA** tool for clipping text or graphics from the screen, using the clipboard device. Snap finds out character coordinates automatically, handles different fonts,

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

keymaps, accented characters, and more. Version 1.63, contains a small bug fix to version 1.62 on disk number 524. Includes source. Author: Mikael Karlsson FF793, FF54, FF326, FF274

**SnapShot** A small utility for dumping screens. This one works like POPCLI and stays dormant until you press Ctrl-Esc. Previous release on FF66 did not work with with expansion RAM, this one does. Binary only. Author: Francois Rouaix FF73, FF66

**snare drum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**SnipDemo** Demo version 1.23 of signal processing program sold by Digital Dynamics. Binary only. Author: John Hodgson FF189

**SnipIt** An input handler wedge which allows you to clip text from any window and then paste that text anywhere, as though you had typed it on the keyboard. You mark the text you want to 'snip' using the mouse, and then use the mouse to 'paste' the last snipped text into the active window, requester, or anywhere. Version 1.2, includes source. Author: Scott Evenden FF217

**SnoopDos** A utility for monitoring AmigaDOS calls. In particular, it allows you to see what libraries, devices, fonts, environment variables or startup files a program is looking for. Very useful when you're trying to install a new application. Version 1.5, an update to version 1.2 on disk 451. Includes source in C. Author: Eddy Carroll FF725, FF451, FF388

**Snow** AmigaBASIC makes snowflake designs. AM25

**SnowFall** Another program in the long tradition of screen hacks for the amiga. Watch the snow fall, get blown back by the wind, and collect in realistic heaps. With source. By Lars Clausen FF303

**Softballstats** Maintain softball statistics/ team records. AM25

**Softfont** Converts portrait soft fonts for HP LaserJet compatible laser printers to landscape format. Includes source. Author: Thomas Lynch FF342, FF327

**SoftLock** A program to help prevent unauthorized access of your bootable hard drive by requiring a password each time you reboot. Has been tested under both AmigaDOS 1.3 and 2.04. This is version 1.0.2, an update to version 1.0.1 on disk 633. Shareware, binary only. Author: Allan Baer FF826, FF633

**SoftTrack** Opens a little window that shows the current track number of the heads of each floppy drive and whether a read or write operation is in progress. Runs from both WorkBench and CLI. Includes source in C and Assembly. Author: Kamran Karimi FF754

**SoftSpan** Soft Span BBS program. Intuitive, command-line based menu system with message bases, uploads, downloads, file credit system, extensive help system, etc. Version 1.1, an update to that on FF343, includes bug fixes and some enhancements. Binary only. Author: Mark Wolfskehl FF374, FF343

**Sol**Amiga version of solitaire game posted to usenet some time ago and modified to use Amiga console control codes in place of curses calls. Includes source. Author: David Goodenough; Amiga port by Joel Swank FF103

**Solitaire** A shareware solitaire game of klondike solitaire. The rules can be varied, and there are five different ways of working through the deck. Also includes an undo function that will un-move more than the last move, a wrapup function for when a game is all but won, a palette requester to fine tune the colors to your liking and a save-setup function that remem- bers how all the options are set. This is version 1.9, an update to version 1.8 on disk 511. Shareware, binary only. Author: Gaylan Wallis FF711, FF511

**Solitaire** An amiga version of klondike solitaire. Provides multiple options including six different decks, customizable game rules, game timer, the ability to view a stack, and an undo feature. Binary only. Author: David Meny and Albert Penello FF712

**Solitaire** Two new ABASIC games, Canfield and Klondike. Author: David Anderson FF32

**Solitaire** Yet another solitaire game. Nicely done with good graphics and sound. Shareware. Author: Pat Clark FF512

**SolitaireX** A solitaire game. Features include all possible moves shown with a pulsing green box around the card, reshuffle, unlimited undo, and tournament mode. Binary only. Author: Stephen Orr, Gregory M. Stelmack FF448

**Solve** Linear equation solver in assembly language. Source code, executable program and documentation. AM19

**SonicArranger** Demo version of a music program that supports sampled and synthesized instruments as well as sound and note transposes for patterns. The optimizer can be used to reorganize the internal data sturcture of a song. SonicArranger allows 254 instruments created from 64 samplelots 64 synthetic waves adsr's lvo's and sound effects. Can also load and convert noisetracker 2.0 compatible song modules. Version 1.36b binary only. Author: Carsten Schlothe FF569

**SonixPeek** A utility to let you list all the instruments used by one or more Aegis Sonix score files. It can scan individual files, or search one or more directories, checking all score files in each directory. The output is a list of all the instruments you need to have present in order to be able to play the indicated score files. Includes source. Author: Eddy Carroll FF217

**sortcA** quicksort based sort program, using separate driver and sort modules. Originally from a DECUS C distribution. Claims to be fast, but when operating entirely out of RAM takes 93 seconds to sort its input file, sort.c, while AmigaDOS's sort takes only 43 seconds under the same conditions Author: Dave Conroy, Martin Minow, and Ray Van Tassie FF6

**Sound** Sound sample player. Will play ANY file as sound. Understands IFF, stereo, and fibronicli compression. Can play direct from disk. Uses only 4k of chip ram. Effects include fade and grow. Works from CLI or WorkBench, all

OS thru 3.0. Includes complete C source. Author: Richard Lee Stockton FF771

**Soundemos** Some very nice demos for showing off the incredible audio power of the Amiga! 100% assembly language, make sure you have the stereo connected for these! Author: Foster Hall FF167

**SoundEd** Demo version of an 8SVX sound editing package, written in machine code for optimum speed and minimum size. Can also be used for digitizing with SoundEd or Perfect Sound hardware. Version 1.0, demo, binary only. Author: Howard Dortch and Mike Coriell FF486

**SoundEditor** An 8SVX stereo sound file editor written in assembly language for speed and minimum size. This is V.98, an update to V.80 on disk 355. Many new features including a working digitizer, raw loads, raw mac loads, time markers, rate converters, delay, ramp, filters, scroll, and it will iconify. Binary only. Authors: Howard Dortch, Mike Coriell, Matt Gerald FF416, FF355

**SOUNDEffect** Sound sample editing program. Special features include: temporary buffers, frequency and amplitude modulation (tremolo and vibrato), echo, special reverb effect, chorus effect, mixer, free hand editing, low and high pass filter, compressor, expander, limiter, distortion and all usual functions (copy, paste, insert, cut, looping, zooming etc.). Version 1.30, shareware, binary only. Author: Sven Böhling FF793

**SoundExample** A double buffered sound example for Manx C using 16-bit ints, small code, and small data. Author: Jim Goodnow FF55

**Sounds** Text explanation of Instrument demo sound file format. AM1

**SoundZAP** A sound conversion utility that will convert almost any of the sampled sound file formats available on different platforms to the Amiga's IFF 8SVX format or into RAW data. It recognizes .VOC, .au (ulaw, 16, 24, or 32 bit samples), .WAV, and Macin- tosh headered samples, and converts them appropriately. It can also identify ulaw, signed, and unsigned RAW data, converting it properly. It treats unidentified headered files as RAW, so they are treated properly also. Version 2.3, includes source. Author: Michael Cramer FF646

**SourceOpt** A little assembly language source optimizer. While most assemblers have optimization, they optimize the compiled code. One disadvantage of this however, is when debugging code thru a disassembler or monitor, the code you see differs from that you have written because of the optimization. By optimizing the source first, you can eliminate some of these differences. Version 1.0, binary only, CLI usage only. Author: Alexander Fritsch FF771

**Sozobon-C** Atari ST version of what appears to be a full K&R freeware C-compiler, assembler and linker. The compiler main pass and the assembler were compiled and tested on an Amiga A2000 with only minimal changes, and they appear to work (to the extent that they believe they are running on an Atari-ST), so an Amiga port should be relatively easy. By Sozobon, Limited. FF171

**Space Citadel** Space Empire is a multiplayer game for up to 25 players. The documentation shows how to set it up as a door for the Citadel BBS. Version 2.6, binary only. Author: Tony Preston FF662

**SpaceAceDemo** Shareware shoot-em-up spaceship game. Binary only. Author: Stephen McLeod FF90

**spaceart** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Spacell** A hot-key program with over 50 functions including four screen blankers, screen shuffler, path/filename transmitter, text reader, virus checker, boot block display, calculator, disk copy and/or formatter, palette selector, screen dumper, etc. Version 2.3 beta, binary only. Author: Edgar M. Vigdal FF717

**SpacedLog** A database containing data for all of the man related space missions of the United States and the Soviet Union that were related to the development of manned space flight, from the beginning of the space age to the present (368 missions), listed in chronological order. Includes an AmigaBASIC program to manipulate the database. Version 1.54, binary only. Author: Gene Heitman FF305

**SpaceWarA** two player game with each player controlling a spaceship. The object is to shoot the other player, gaining one point for each kill. The game ends when a player reaches fifty points. Version 1.11, binary only. Author: Jeff Peikau FF420

**Spades** This is an Amiga version of the card game spades. It is a one player version, where the computer plays your partner and two opponents. This is version 1.2, an update to version 1.1 on Disk 392. Includes source in C. Author: Greg Stelmack FF485, FF392

**sparks**Graphics demo that draws a 'moving pathway', adding to the front and removing from the tail (sure is hard to come up with verbal descriptions of these things!) By Scott Ballantyne FF9, AM1

**Spartan** The sources to the Spartan PD scsi interface driver for Amiga 500 and Amiga 1000 originally by Paul Harker. This is an enhanced version that includes a major bugfix and \* SCSI-Direct support. Versions 34.3 (generic) and 34.4 (true SCSI). Author: Several, see documentation FF787

**Spawn**Programmer's document from Commodore Amiga, describes ways to use the Amiga's multitasking capabilities in your own programs. AM15

**SPClock**A clock that uses sprites to display the time. This allows the clock to remain visible no matter what screen is being displayed and no matter where you scroll on a Workbench 2.0 autoscrolling screen. Version 2.1, includes source. Author: Mark Waggoner FF704

**Speaker** Speech utility. ABASIC program. AM1

**SpeakerSim** Demo version of SpeakerSim 2.0, a

loudspeaker CAD program. Simulates vented (Thiele-Small) and closed box systems. Also simulates 1st, 2nd, and 3rd order high and low pass filters. Binary only. By: Dissidents FF340

**SpeakIt** Speech and narrator demo. ABASIC program. AM1

**speakspeech** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**speaktime**Speaking program which will tell the time.

Executable program and documentation. AM12

**Spectrogram** Amiga Spectrogram computes a frequency analysis of any 8 bit audio data file and creates a high resolution color display showing frequency content versus time. Display color is continuously adjustable. This type of display when applied to the human voice has been called a voiceprint. This tech- nique has also been used to analyze sounds of many kinds of animals including birds, dolphins, whales, etc. The audio data file can be replayed at any desired rate, giving a simultaneous audio and visual representation of the sample. A selection of interesting audio samples for analysis by Amiga Spectrogram is included. Version 6.3, binary only. Author: Richard Horne FF543

**Spectroscope** A program for realtime frequency analysis with PerfectSound-2 compatible audio digitizers. Version 1.1, includes source in Oberon. Author: Christian Stiens FF666

**speech** Sample speech demo program. Stripped down version of 'speechtoy' Author: Rob Peck FF1

**speech.demo** A simplified version of speechtoy. Also includes exec support functions for extended IO requests, CreateExtIO() to allocate and initialize a new IO request block and DeleteExtIO() to free an extended IO request block By Rob Peck FF5

**speecheasy**One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SpeechTerm** Terminal emulator that can speak the received text. Also has XMODEM file transfer. Author: Letheris Koutsosofos FF20

**speechtoy** Latest and greatest version of Dave's cute speech demo program. Comes with custom icon so you can be run from a workbench screen. Author: Dave Lucas FF5, FF1, AM4, AM1

**Speed** A performance benchmark useful for comparing Amiga processing speeds. Performs 10000 iterations of some selected groups of 68000 instructions while using the DateStamp time function to record how many ticks it takes to complete. This timed duration is then compared against two known prestored times, one for a stock A2000 Amiga and one for an A2620 enhanced A2000. A relative comparison is calculated and displayed. Version 1.0, includes source in assembly language. Author: Jez San FF237

**SpeedDir** Another faster directory lister type program. This one uses the standard dir utility format for displaying directories. Written in assembler, includes source. Author: Bryce Nesbitt FF75

**SpellA** port of a Unix version of a freely distributable screen oriented, interactive, spelling checker. Update to FF54, with enhancements by Tomas Rokicki. V2.0.02, with source. Author: Pace Willisson; enhancements by Tomas Rokicki FF191, FF13

**SpellCheck** A program which aids you in learning foreign words. You enter the words and their translations, and then the computer quizzes you later. Version 1.3, update to version 1.2 on disk 606. Binary only. Author: Torgeir Dingsøyr, Pantheon Softworks FF701, FF606

**Spelling** simple spelling program in AmigaBASIC. AM8, AM1

**Spew** Program which generates amusing 'National Enquirer' type headlines. Works from a 'rules file' which describes how the headlines are to be constructed. Includes source. Author: Gregory Smith (original by 'mark@pixar') FF69

**sphere** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Spice3A** version of the SPICE3e2 circuit analysis program which has been modified to run on the Amiga. This version is written in C as opposed to the FORTRAN version on disk 278 and includes dynamically allocated memory interactive post-processing and graphical plots. Requires a minimum of 1 MB of memory. Version 3e2. Binary only. Author: Many at UC Berkeley amiga port by Brett Larson FF578

**Spiff** Make controlled approximations between two files. Similar to 'diff' but more versatile. Allows for the handling of numerals as string literals or numeric values with adjustable tolerances. Provides for embedded commands, scriptfiles, and many other command-line parameters. Potentially very useful, but needs some Amiga-specific work. Source and some example files included. Author: Dan Nachbar, Bell Communications Research (BELLCORE) FF172

**Spigo** This ray-traced animation, using overscan HAM and sound effects, is Eric's entry to the 1989 BADGE Killer Demo Contest it won 6th place. Binary. By Eric J. Fleischer (Dr Gandalf) FF272

**Spin3** Simple program that creates spinning cubes and transforms them into op-art. Example of how to create a double buffered display with color tables that can be changed. Author: Ronald Peterson FF32, AM12

**SpinPointer**While going through some musty archives I found this little gem that got overlooked before. It is a short source module that provides a 'busy' indicator replacement for the standard mouse pointer. Includes source. By Mark Rinfret FF269

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**spiral** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**SpLi** A program for generating spheric lissajous figures. Algorithm taken from 'Spektrum der Wissenschaft'. Version 1.00. Public Domain. Includes C sourcecode. Author: Carsten Raufuß FF584

**SpLiner** A spline screen blanker commodity derived from Tom Rokicki's Mackie utility with a programmable pattern change timeout. Binary only. Author: Tom Rokicki and Sebastiano Vigna FF569

**SpLiner** A spline screen blanker commodity, derived from the spline code extracted from Tom Rokicki's Mackie and encapsulated into a standard AmigaDOS 2.0 commodity. Binary only. Author: Tom Rokicki, Sebastiano Vigna FF517

**SpLines** Program to demonstrate various curve fitting and rendering techniques. Also includes something unique for the Amiga world, pop-up menus. Includes source. Author: Helene (Lee) Taran FF97

**Split** The opposite of the AmigaDOS JOIN command. Use it to split textfiles that are too large to edit on your computer, files for email-delivery that have a file size maximum... etc. The created files have the same name as the original except with an extension of two digits. Version 1.0, binary only. Author: Jonas Svensson FF798

**SplitQ** Opposite of the AmigaDOS 'JOIN' command. A portion of the file specified by offset from the beginning and length is saved to a new file. The syntax is like the BASIC function MID\$( ). Parts can be rejoined with the 'JOIN' command. Version 1.1, includes source. Author: Dieter Temme FF750

**Spool** The SPOOL system consists of 3 programs: A queue manager, a printer driver, and a SPOOL request program. The SPOOL system demonstrates the power of the Amiga's multitasking abilities in a very practical way. It makes extensive use of Amiga Exec's message passing facilities and list-handling primitives. Version 1.2, includes source. By Tim Holloway FF69

**Spots** A useless but pretty 24-bit-RGB and HAM spot-paint-program. Handles scripts to render animations. It needs arp.library or WorkBench 2.0. Check out the examples to see if you like the effect. Version 1.10, binary only. Author: Ekke Verheul FF797

**SpreadSheet** A simple 'Visicalc-like' spreadsheet calculator. Also known as 'vc' but there is currently a debate about whether or not that name is a registered trademark. The version on FF36 was based on an earlier version of the same source. This release also includes source code. Author: James Gosling, Mark Weiser, and Bob Bond Amiga port by Dave Wecker FF53

**Spright** Spright is a sprite making utility. Simple or attached sprites can be saved to a file ready to be added to your program. The colors used with the sprite(s) will also be saved. Version 1.2, binary only. Author: Todd Neumiller FF484

**SpriteClock** A very simple clock that uses a sprite as it's display medium, thus allowing it to be displayed on top of all other screens. Includes source in assembly language. Author: Darrel Schneider FF43

**SpriteEd** Lets you simultaneously edit two sprite pairs to form a double wide sprite image. Suggested \$10 donation. Author: Scott Lamb FF40

**SpriteMaker** Program which lets you paint sprites and then converts data structure to be used in programs. Allows interactive testing of the sprite as a pointer. Suggested shareware donation of \$15 for source code and updates. Author: Ray Larson FF35

**SpriteMasterII** Sprite editor and animator by Brad Kiefer. Executable program and documentation. AM20

**Sproing** Same as Oing but includes sounds of balls colliding with boundaries. Author: Leo Schwab FF33

**SPUDClock** A simple program that uses the narrator device to speak the time at certain user specified intervals. Lots of command line options. Version 1.2, includes source. Authors: Robert E. Beaty and H. Bret Young FF165

**Spy** A program that tracks calls to AmigaDOS and Exec functions, reporting them to the screen, along with their calling parameters and the results. Version 1.0, includes source. Author: Federico Giannici FF369

**Sq.Usq** Portable versions of the CPM sq and usq utilities. Author: R.Greenlaw, many changes by Bill Swan FF51, FF10, AM2

**SrcAnalyzer** Filter/Statistics program which analyzes standard 68000 assembly source code and produces mnemonics statistics while also filtering out all unrecognized lines. Output files can be fed directly to a small barchart display program 'chart' (included). Source to 'chart' SrcAnalyzer binary only. Author: Laurence Vanhelsuwé FF629

**SRegExp** A runtime library of routines for doing wildcard pattern matching and wildcard path matching. It accepts a slight extension of the AmigaDOS wildcard syntax, including a 'not' operator and character sets. This is version 11.1, includes source. Author: Jon Spencer FF527

**SSW** Solar System Wars is a game similar to Space Wars, pitting two players against each other, in orbit around 0 to 3 stars. You can choose from 48 different solar systems, or use the random system selector for a different challenge every round. A variety of weapons are available. Supports two button joysticks but does not require them. Version 1.14, binary only. Author: James Cleverdon FF839

**ST2Amiga** A program to convert Atari ST format relocatable executables to Amiga format relocatable executables, for subsequent loading into the ReSource disassembler and conversion to Amiga. ST2Amiga should also compile and run on an ST. Version 1.1, includes C source. Author: David Campbell FF448

**Stack** is a replacement for the BCPL stack program. Includes some source. Author: Glen McDiarmid and Kirk Davies FF105

**StackWatch** Monitors the stack of any selected task or process 30 times per second and reports the allocated stack, maximum stack used, and current stack used. Version 1.0, binary only. Author: Jim Locker FF494

**Stairs** This AmigaBASIC program demonstrates a musical illusion based upon perceptual circularity of widely spaced tones whose volumes are defined as a sinusoidal relationship to their frequency. Author: Gary Cuba FF121

**Star Destroyer** A hi-res picture of the Empire's Star Wars starship. AM12

**Star** Three C functions that you can easily incorporate into your programs to draw stars. Includes source. Author: Jason Lowe FF592

**Star Wars** IFF picture of the enemy walkers from the ice planet AM15

**star10** Assembler program, makes star fields like Star Trek intro. In C source code and executable. Documentation included. AM12

**StarBlanker** A screen blanker that replaces your display with a randomly chosen animated starfield. Version 1.00, includes source in Modula-2. Author: Chris Bailey FF308

**StarChart** Nicely done intuition based program to display and identify about 600 stars, galaxies and nebulae visible in the Northern hemisphere. Version 1.2, includes source. Author: Ray R. Larson FF159

**StarClock** StarClock displays time, date and star date of the popular TV series Star Trek in a small window on the right hand side of the workbench screen. StarClock is a commodity. Requires OS 2.0 or greater. Version 1.01, binary only. Author: Michael Laurent, Volker Goehrke FF810

**Starflight** An IFF picture. AM6

**StarProbe** Program studies stellar evolution. C source included for Amiga and MS-DOS. In C source code, executable, and documentation. AM18

**Stars** Hobbie's entry for the Badge Killer Demo Contest. Based on original code by Leo Schwab, has credits longer than the actual demo. Runs on 512K Amiga. Binary only. Author: Hobbie Orris FF118, FF33

**StarTerm** Starterm version 3.0. Very nice telecommunications program ASCII and XMODEM support, telephone dialer, function keys, load file stripping, text file conversion, full/half duplex. Author: Jim Nangano Author's suggested shareware donation: \$20 FF30, FF12, AM8

**StartUp** Three replacements for the standard C startup files, Astartup.obj and LStartup.obj. The options include: (1) BothStartup.obj, for WorkBench programs or CLI programs with or without command line parameters, (2) WBSStartup.obj, for WorkBench programs or CLI programs that require no command line parameters, and (3) CLISStartup.obj, for CLI programs that require command line parameters but do not need to be able to be runnable from WorkBench. Includes source. Author: Bryce Nesbitt FF101

**StartupTip** Text file tips on setting up your startup-sequence file. AM9

**Stat** An enhanced version of AmigaDOS 'status' command. AM15

**Statistics** Provides statistical data on ASCII text files regarding file length, number of letters, words and sentences, average word length, etc. Written in assembler for minimum size and max-imum speed. Version 1.26, binary only. Author: Nico Max FF744

**Statpack** Demo version of a statistics and data manipulation program. Version 3.2, binary only. Author: James Lindsey FF386

**StatsProgram** to calculate batting averages. AM15

**StatueOfLiberty** Evening view of the great lady's profile in an IFF picture. AM7

**StdFile** A module that can be linked with any Intuition based program to provide a standard file requestor similar to the one in AmigaDOS 2.0. Even if you use the standard requestor under 2.0, it is useful to have one available for use if you need to run on pre-2.0 systems. Includes source. Author: Jeff Lydiatt and Peter da Silva FF402

**Steal** A program that grabs parts out of a display. It is used to grab parts from Intuition's structures, such as gadgets, menus, and screens. Version 1.1, includes source. Author: Rick van Rein FF541

**StealMemBoot** A small utility designed to be a direct replacement for NoFastMem kind of programs. It modifies the boot block of a disk, so when you boot with it, all memory allocations will return only CHIP memory. Author: Alex Livshits FF150

**steel drum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Steinschlag** A tetris like game (Steinschlag means 'Falling Rock') submitted by the author. This is version 1.8, Binary. By Peter Handel FF238, FF221

**STEmulator** Turns your Amiga into an Atari ST (sort of). Be sure to read the README file for the true story. By David Addison FF43

**StereoDemo** A demo of stereoscopic graphics, written in assembly language. Requires red/green stereo glasses to view. Includes sources. Author: David M. McKinstry FF206

**Stevie** A public domain clone of the UNIX 'vi' editor. Supports window-sizing, arrow keys, and the help key. This is V3.7a, an update to FF217. Changes include the addition of ARP wildcard expansion for file names, support for the 'lcmd' feature of vi, other small enhancements, and some bug fixes. Includes source. Author: Various, Amiga work by G. R. (Fred) Walter FF256, FF217, FF197, FF166

**StillStore** A program designed for freelance, corporate, and broadcast television. It loads and displays IFF images of any resolution interchangeably from a list file or as inputted directly (i.e. random access). The user may easily skip forward or backward one or more pictures in the list. A 'generic' display is always just a few seconds away. The program can be used 'on air' with no concern that a pull down menu will suddenly appear in the viewable area. It also provides for a precise cue for changing windows or

screens. While the main purpose is to load 'news windows' of 1/4 screen size, StillStore can also handle full-sized and overscanned images. Also includes slide show modes and a screen positioning feature. Stillstore is written in the Director language from the Right Answers Group. This is version 1.2.1, an update to version 1.2 on disk 317. Binary only, source available from authors. Author: R. J. (Dick) Bourne and Richard Murray FF454, FF317

**Stitchery** This shareware program loads in IFF images and creates charted patterns from them for use in counted cross-stitch and other forms of needlework. It requires one megabyte of memory to run, and works best with a good high-resolution printer for printing the patterns. The Stitchery was written with The Director and the Projector is included. Version 1.21. Author: Bradley W. Schenck FF350

**Stock-Portfolio:** A program to organize and track investments, music libraries, mailing lists, etc. in AmigaBASIC. Author: G. L. Penrose. AC11

**StockBroker** A program that helps you follow the recent table of exchange from one (or more) share(s). But of course you must tell the Amiga the recent table of exchange every day. Requires AmigaBASIC. Binary only. Author: Michael Hanelt FF343

**StopWatch** A program to time events including intermediate events with an overall accuracy of about 250 milliseconds (since the timing events are registered by human interaction). Version 1.0 binary only. Author: Joe Rattz Jr. FF583

**StopWatch** A stop watch application with the precision of one millisecond (variable) which scans the joystick button. Full multitasking capability and intuition interfacing additional display screen for genlock output ARexx port for parameter/result handling and screen manipulations. Written in Modula 2 and assembly language. This is version 3.0S an update to version 2.0 on disk 466. Binary only. Author: Christian Danner FF581, FF466

**STReplay** A shared library which allows loading and playing of SoundTracker modules, even from high level languages like Basic or C, without any special effort. Includes source. Author: Oliver Wagner FF258

**String, Boolean** C programs and executables for Harriet Maybeck Tolly's Intuition tutorials. In C source code, executable program, and documentation. AM19

**StringLib** A public domain reimplement of the UNIX string library functions. Author: Henry Spencer @ U of Toronto FF29

**Strings** A simple utility with command-line options for locating strings in a binary file. V 1.0, includes source. By Joel Swank FF174

**StripANSI** Removes all ANSI codes from a text file so that only the bare text remains. It is useful for editing terminal program capture buffers. Two versions are provided: one for the command line (CLI) and one with a full Intuition interface. You can selectively strip certain codes, and generate a report. New features include more codes, better help, and tab expansion. Version 1.2, an update to version 1.0 on disk number 581, includes source in 'C'. Author: Syd L. Bolton FF798, FF581

**stripC** Strips comments and extraneous whitespace from C source files. Useful for compacting the C header files to increase usable disk space. Author: Chris Metcal FF6

**StripCR** This little program just makes a text file ready for use with AmigaDOS, with only LineFeed characters (LF) to mark the end of a line. If you feed it a file with ONLY Carriage Return characters (CR), (from a Macintosh for example) it will replace them with the LF character and, if the file requires no changes, then it does not get changed, includes source in assembly. By: Bill Nelson FF237

**striper** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Stript** A programming utility that strips all kinds of comments from given source codes of all programming languages. It is controlled by a config file which includes the rules of the comment chars. Some configuration files included. OS 2.xx only. Version 1.3, freeware, binary only. Author: Hans-Peter Guenther. FF750

**StriPLF** Completes the set of StripCR and PlusCR. It will change an LF only file into a CR only file. If used in combination with StripCR and PlusCR, it completes a text file conversion system, includes source in assembly. Author: Bill Nelson FF237

**Struct-Saver** A utility to save the whole menu or gadget structure of a window as C-source code. Useful if you want to make a 2.0-tool running under 1.2/1.3, gadtools generates all necessary menu structures in memory, this tool saves them as source code. Version 1.20, first release, requires OS 2.0. Includes source in C. Author: Thies Wellpott FF761

**STScan** A utility program for using a Siemens ST 400 SCSI flatbed scanner with the Amiga. Can be adapted to other scanners and serves as an example of scsi-direct access to scsi devices. Version 2.0 an update to version 1.0 on disk 560. New features include image processing and vectorization functions that can be used without any scanner. Includes source in C. Author: Frank-Christian Kruegel FF609, FF560

**STSLib** Blink compatible library required to recompile PrLabel. This library supplies gadtool-like 3D look gadgets (including check boxes radio buttons and cycle gadgets) and menus whose layout will be adjusted for different default screen text fonts under AmigaDOS V2.0. Version 1.0 link library only. Source and documentation available from the author for a fee. Author: Andrew Martin SciTech Software FF599

**StufferMIDI** Utility to construct and transmit any type of MIDI message. Message building can be done via mouse or keyboard in hex decimal or mnemonic form. Supports standard MIDI files and Roland SYSEX checksumming. Version 0.9b binary only. Author: Laurence Vanhelsuwé

| Table of Contents                    |
|--------------------------------------|
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

FF626

**STV** Simple text viewer with mouse and keyboard scrolling, text search, and hooks to be launched onto custom screens. Works great under both Workbench v1.3 and v2.0 and from the CLI or icon. Version 1.00a, includes full C source. Author: Timm Marlin. FF427

**SubAttack** A 'shoot the ships' type of game based on an old arcade game where you have to fire your torpedos at the right time so that they strike a ship as the ships move across the screen. This is version 1.0 shareware binary only. Written in compiled AMOS. Full source available from author. Requires 1Mb or more of memory. Author: Perry Rosenboom FF554

**Subscripts** Ivan Smith's AmigaBASIC subscript example. In C source code and documentation. AM19

**Sugar** A HAM picture of a blond girl FF72

**SugarPlum** Plays 'The Dance of the Sugarplum Fairies'. ABasic program. AM1

**SunClock** Displays a map of the world showing the portion that is presently illuminated by the sun. Version 1.0, ported from X11 and Sunitools versions. Includes source. Author: Mark Waggoner, John Mackin, John Walker FF704

**SunMaze** The 3d maze demo from disk 171, now expanded with shadows in the corridors to give more sense of direction. Includes source. Author: Werner Gunther, Shadows by Dirk Reisig FF255

**SunMouse** Makes your mouse behave like the Sun Microsystems Sunwindows mouse. You no longer have to 'click' in a window to make it active. Just move the mouse pointer into the window and start typing. Version 1.0, binary only. By Scott Evernden FF65

**Super Bitmaps In BASIC:** Holding a graphics display larger than the monitor screen. Author: Jason Cahill AC9

**SuperBitMap** An example program that shows how to use ScrollLayer, how to sync the SuperBitMap prior to printing, and how to create a dummy rasterport for dumping the SuperBitMap. Works under 1.2 and up. Author: Carolyn Scheppner and Phil Lindsay FF28

**SuperDark** A screen blanker with some special features. It is similar to the AfterDark screen blanker in the PC and Mac worlds. Features include a lot of different screen effects, a screen locker, and more. Version 1.2, includes source. Author: Thomas Landsburg FF835

**SuperDuper** A very fast disk copier and formatter. Can make up to four unverified copies from a ram buffer in 36 seconds. Verified copies from a ram buffer take 67 seconds for one destination drive, plus 34 seconds for each additional destination. This is version 2.02, an update to version 2.01 on disk 590. Includes a program to fine tune some fields in the trackdisk device, and a 'no click' type program. Binary only. Author: Sebastiano Vigna FF753, FF590, FF561, FF488

**SuperEcho** A neat program to be used with Perfect Sound-like audio digitizers that generates LIVE audio effects, including Echos, Deep Voice, Squeaky Voice, Many People, M-M-Max Headroom and much more. Binary only. Author: Kevin Kelim FF300

**SuperFormatter** A easy to use disk formatting program with an intuition interface. Options include quick format, verify, trashcan icon installation, FFS versus old filesystem, and more. Version 1.0d, binary only. Author: Mark Warpool FF835

**SuperLines** A new lines demo with a realtime control panel that you can use to change various aspects of the action. Has 10 built in color palettes, support for things like color 'smudge', color cycling, color 'bounce', multiple resolutions, and can display either lines or boxes. Version 1.0, binary. By Chris Bailey FF243

**SuperLock** A very flexible security program that can lock any or all of the devices present in the system making access to them impossible. It can also optionally lock the keyboard and the mouse. Version 1.01. Requires arp.library. Binary only. Author: Jonathan Potter FF583

**SuperMenu** An information display system you can use to quickly and easily display text files (and sections of text files) with the press of a button. Version 2.0, shareware, binary only. Author: Paul Thomas Miller FF368, FF297

**Supermort** A general compounding/amortization routine, using the intuition environment, which can be used for mortgage/loan computations. Binary only. Author: Mark Schretlen FF59

**superpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SuperPlayA** versatile sound playing utility, that will play any file, with user definable volume and speed. Will also play files randomly from a list. Binary only. Author: Jonathan Potter FF412

**SuperRetLab** Prints return address labels 3-up on single-wide 3.5 inch by 7/16" inch label stock. Can print up to 5 lines per label. Version 1.1, includes source. Author: Joel Swank FF304

**SuperSpell** A global spelling checker that checks your spelling no matter what program you are typing under. Can be used to check spelling when typing on a BBS in a text editor or anywhere else. Comes with a 9000 word dictionary which you can edit add to or replace completely. Version 1.1 binary only. Author: Jonathan Potter FF583

**SuperView** A shareware file-viewer that displays all types of IFF files with many features like: Workbench support, all display modes, auto overscan, color cycle (CRNG, CCRT), AmigaBasic ACBM files, first cell in and ANIM file, Type 5 animations and more. Written in assembly, pure code for residency under 1.3. Version 3.0, binary only. Author: David Grothe FF367

**Suplib** The support library needed to rebuild various programs of Matt's from the source, including Dme, DMouse, etc. Update to FF169. Source. By: Matt Dillon FF258, FF168 & 169, FF126

**Support** Some libraries and other stuff used by other

programs on this disk. Placed here simply to avoid lots of duplication. Author: Various FF649

**supsrh** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Surf** Generates bezier surfaces of revolution. Will produce some amazing pictures of winglasses, doorknobs, or other objects one could turn on a lathe. Includes the capacity to map IFF image files onto any surface that it can draw. This is version 2.0. Changes include support for data file formats that can be translated to input files for various 3D modeling programs, an increase in the number of grey shades available, and the capability of modifying the endpoints of segments. Source included. Author: Eric Davies FF315, FF170

**SurfacePlot** SurfacePlot is a math tool for drawing 3-dimensional parame-terized surfaces. Useful for visualizing the surfaces used in various mathematics classes. Allows you to use three separate functions for the X, Y, and Z coordinates. Includes rotation and zoom for changing the viewpoint. Version 2.0, binary only. Author: Ole Bak Jensen FF656

**Surveyor** A little utility that opens a window on the current screen and displays information about the pointer. Allows for absolute or relative measurement between two points on the screen. Very handy for precise positioning of icons and such. Includes source. Author: Dirk Reisig FF151

**Sushl** A tool to intercept the raw serial output of Enforcer 2.8b, Enforcer.megastack 26.f, Mungwall, and all other tool and ap- plication debugging output that uses kprintf. This makes it possible to use serial debugging on a single Amiga, without interfering with attached serial hardware such as modems and serial printers. Sushl also provides optional signalling and buffer access to an external display/watcher program. Version 37.7, binary only. Author: Carolyn Scheppner FF733

**SVtools** UNIX system V compatible printf(). Assembler AM2  
**SVTools** Some additional useful tools from Stephen Vermeulen. Includes a new version of Vnews, sit, setstack, retcol, memlist, fragit, and yoyo. Includes source. By: Stephan Vermeulen FF107

**SwapName** A variant on the rename command that instead swaps the names of two files. Binary only. Author: Jonathan Potter FF412

**sweep.c** Sound synthesis example. C program. AM5

**sWindows** A program that allows you to use the title of a window to specify the screen on which the window will appear. This provides a method of opening CON: and RAW: windows on screens other than the WorkBench, for example. Includes source. Author: Davide Cervone FF500

**Swish** A small simple screen hack that pushes the screen around using the view port, and simulates a floating motion. Binary only, source available from author. Author: Patrick Evans FF448

**switch** A pachinko-like game written in AmigaBASIC. AM11  
**SwitchColors** Allows you to switch between three palettes: WorkBench 1.x standard colors, WorkBench 2.0 standard colors and your own palette. Version 2.0, includes source in C. Author: Guido Wegener FF652

**Switcher** A set of utilities designed for Amiga owners who use a HewlettPackard LaserJet Series Printer and Pacific Data's PacificPage P.E cartridge. These utilities allow the user to leave the Postscript cartridge installed at all times, and switch easily between Postscript and PCL (standard HP) modes. Version 1.0, binary only. Author: Thomas L. Applegate FF788

**Sword** Sword of Fallen Angel. Text adventure game written in AmigaBASIC. Author: Andy Rachmat FF32

**Synchronicity** Right and left brain lateralization. Author: John Iovine AC10

**Synthmania** An interesting, very small (and very persistent) musical piece. If you plan on stopping it without using three fingers, you better read the document file first! Binary only. Author: Holger Lubitz FF153

**Syntheizer** A sound program in AmigaBASIC. AM9  
**SynthSong** A song created using the freely-distributable program MED V.3.0. Although quite small (63k) on disk, this one expands in memory once loaded, lasting almost 65 minutes. Player program Author: Alex Van Starrex FF521

**SYNNWORKS** A graphics oriented environment for design, training and test of neural networks. The enclosed version is public domain and supports only three network models. Not all options are available but this version provides the most important features to allow users to decide if neural networks are an appropriate solution for their problems. Binary only. Author: Michael Kaiser FF510

**Sys** A game built on the addictive game PONGO but with several added features. You have been assigned the demanding task of cleaning viruses from your SYSOP's hard disk. To kill a virus, you simply kick a disk at it. There are fifty different levels, and on each level, the speed will increase and the viruses will be smarter and start to hunt you. V2.10, binary only. By: Anders Bjern FF336

**SysInfo** A program which reports interesting information about the configuration of your machine, including some speed comparisons with other configurations, versions of the OS software, etc. Lots of new enhancements including information on devices, resources and ports, and graphical speed comparisons. This is version 3.11, an update to version 3.01 on disk 758. Binary only. Author: Nic Wilson FF820, FF758, FF642, FF433, FF420, FF368

**System config** File makes screen 80 columns wide of text in the Scribble word processor. AM26

**SystemInfo** A system configuration display program with an intuition interface. Recognizes about 80 different product codes and about 40 manufacturer ID's. Displays information about all AutoConfig cards, all mounted drives, vectors, processor types, and other useful information.

This is version 2.0a, shareware, binary only. Author: Paul Kolenbrander FF644

**SystemTracer** A tool to view and manipulate various AmigaDOS 1.2 and 1.3 system structures. Version 1.0, includes source. Author: Guido Burkard FF422

**Sz'kwa** Sz'kwa, a children's game from Northern China, as described by Clifford A. Pickover in his book 'MAZES for the MIND, computers and the unexpected'. Requires Workbench 2.04 or higher. This is version 1.1, binary only. Author: A.R.Mohowitsch FF845

**T.Rex** A tyrannosaurus rex in an IFF picture. AM6

**T3E** Converts any text file to an executable. The resulting program will only have a minimum of bytes appended (94 bytes for hunk structure and display-program). The text file is not limited by the size. Freeware, with source in C. Author: Garry Glendown FF521

**Tab** A tablature writing program for the Amiga, with inStruments for a banjo and a string guitar. Binary. By Jeff deFlenzo FF145

**Tabu** Quarter inch cartridge (QIC) tape backup utility. Works with Microbotics HardFrame. May work with other controllers as well (untested). Includes source. Author: Roy C. Sigsbey FF450

**TACL** An adventure player for games written with The Adventure Construction Language, a commercial computer language. Includes two sample games; one is text-only and the other is text-graphic. Binary only, plus the TACL source code that was used to write the graphic adventure. Author: Kevin Kelim and Rhett Redwald FF300

**TagBBS** Version 1.02 of a shareware BBS system.

Suggested shareware donation is \$25. Binary only. By Patrick Hughes FF66

**TallinCode** A bunch of source code for demos, tests, and experiments, that the author wrote over a period of 8 years, mostly for recrea- tion or for general R&D for projects that never materialized. Includes 3D techniques, a maze generator, logarithms, basic utility functions, dos functions, random numbers, and much more. Includes source, mostly in assembly code. Author: David Joiner FF716

**talk** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Tank** This is Vincent's entry for the First Annual Badge Killer Demo Contest. It is an animation of a 'fishtank simulator', with sound effects and a cute twist. Binary. By Vincent H. Lee FF200

**TankHunter** A simple action game for two players. Destroy the tank of your opponent. 50 levels are included. You can choose between sound effects or a background song. Version 1.0, freeware, includes source. Author: Benjamin (Pink) Stegemann FF818

**TAPDemo** Tumble Axis Processor is a Sculpt utility with several functions, including automatically aligning a path's tumble axes so that an object following that path will always face the direction of travel, and production of an easy to read data list containing the location of each node and the orientation of each of its tumble axes. This is a fully functional version except that it will not function on paths with more than 15 nodes. Binary only. Author: Martin Kolstinen FF524

**TapeCover** TapeCover prints out those little paper inserts for cassette tape cases. It lets you enter the name of the songs, and the title of each side. It should work on any printer that can print in that semi-condensed mode. Version 1.0, includes source in C. Author: Greg Pringle FF498

**Tar** A port of a UNIX tar clone that can work with the TAPE: handler (also on this disk) to read and write UNIX tar compatible tapes. Includes source. Author: John Gilmore, FSF, Jonathan Hue, et. al. FF445

**Target** A little program which takes over the mouse pointer and turns it into a gunsight. Pressing the mouse button flashes the pointer and gives a gunshot. Version 1.23, binary only Author: Matt Fruin and Michael McCarty FF81, AM21

**Tarot** An AmigaBASIC program written by the author as an exercise for learning BASIC. Contains some nice graphic renditions of tarot cards. Author: L.Plost FF124

**TarSplit** A port of the OS/9 program that extracts files from UNIX tar archives By James Jones. Amiga version by Mike Meyer. FF53

**Tartan** AmigaBASIC; design Tartan plaids. AM26

**Task** Simple example of how to use CreateTask. Includes source. Author: Carolyn Scheppner FF79

**TaskControl** Nicely done task-handling program allowing you to put to sleep, kill or change priorities of all the currently loaded tasks. Also potentially GURU-producing, so be careful what tasks you kill, change priorities of, etc. Handy window sizer will reduce it almost to an icon to hang around until you want to use it. Binary only. Author: J. Martin Hippel FF159

**TaskPri** A small CLI command that allows you to set task priorities from the command line. Useful for your startup-sequence. AmigaDOS 1.3 and 2.0 compatible. Includes C source. Author: Steve Anderson FF552

**TaskX** A 'real-time' task editor. Lets you list and set the priorities of all the currently running tasks. Binary only, Version 2.0. Author: Steve Tibbett FF158

**TCL** Port of Tool Command Language, a simple textual language intended primarily for issuing commands to interactive programs such as text editors, debuggers, illustrators, shells, etc. It has a simple syntax and is programmable so TCL users can write command procedures to provide more powerful commands than those in the built in set. Alpha 2 version, binary only. Author: Dr. John Ousterhout, Amiga port by Hackercorp FF447

**TCB** Prints information about tasks and processes in the system; assembler source is included. AM26

**TCL** Port of Tool Command Language, a simple textual language intended primarily for issuing commands to interactive programs such as text editors, debuggers, illustrators, shells, etc. It has a simple syntax and is programmable so TCL users can write command

procedures to provide more powerful commands than those in the built in set. Alpha 2 version, binary only. Author: Dr. John Ousterhout, Amiga port by Hackercorp FF447

# Freely Redistributable Software

**TClass** An 'Intelligent' file identifier. Has the ability to 'learn' new types of files by simply scanning groups of known types of files, and checking the first 20 bytes for similarities. It then reports on the matching accuracy and adds a 'definition' for the filetype to a brain file. Version 2.9, binary only. Author: Sam Hulick FF792

**TD** A program like 'TrackDisplay' on disk 399 by Olaf Barthel. It monitors and displays the current track for each floppy disk connected to the Amiga. This is version 2.0, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF543, FF483

**TDebug** Monitor a device by intercepting the EXEC SendIO and DoIO vectors. This will give you most of the IO request information for any device. Version 1.00, includes source. Author: Matt Dillon FF74

**TDP** A small trackdisplay program that uses whatever screen is up front. Binary only. Author: Tom Kroener FF479

**Draw** An easy to use Window Title Bar Pattern Editor for use with TBar. Load, save, test, and edit patterns. Saves script files that can be executed later to change window patterns at anytime (like on boot-up). Includes TRand, a utility to pick a random TBar file so your Workbench will look different each time you reboot. Version 1.0, binary only. Author: Phil Dietz FF461

**Teacher** Teacher is a short, simple hack. I won't spoil the fun by telling you what it does. With source. By Jonathan Potter FF204

**Technoban** A Sokoban type game written in assembler. Features include 4 worlds with 10 levels each new graphics and sounds in every world 32 colors 5 stereo sounds smooth animation an inte- grated editor and a code for each level. Version 4.07 binary only. Author: Tim Schattkowsky FF639

**Tek** An enhanced version of Dave Wecker's v100 (v2.6) which includes emulation for a Tektronix 4010/4014 graphics terminal. This is a much improved version of the Tek4010 program from FF522. Includes source.

**Tek4010** A Tek 4010 emulator. Author: Terry Whelan FF108

**Tek4010A** Tek 4010 emulator. Author: Terry Whelan, with changes by Steve Poling FF52

**Tek4695A** Tek4695 printer driver. Binary only. Author: Philip Staub FF87

**Tek4695A** Tektronix 4695/4696 printer driver. Includes source Author: Philip Staub FF96

**TenSpeed** A ten-speed in an IFF picture. AM6

**TermA** gift-ware telecommunications program written for AmigaOS 2.0 or higher. Features include total configurability, full ARexx control, Xpr-transfer support, filetype-identification after download, cut & paste/point-and-click on screen, auto upload and download, unlimited size scrollable review buffer, solid and fully-featured VT102/VT220/ANSI emulation, support for external terminal emulation libraries, optional fast atomic terminal emulation, hotkey support, powerful phonebook and dialing functions, ability to save and print the contents of the screen as IFF-LBM or ASCII file, full overscan and screen resolution support (AGA and ECS screen modes included), asynchronous operation and a lot more. This is version 3.1, an update to version 2.3 on disks 725 and 730. A three part distribution—part one contains the main program, documentation, and auxiliary data files; part two contains the main program as a 68020/030/040 executable, and the program source code; and part three contains the documentation in DVI and PostScript formats. Author: Olaf 'Olsen' Barthel FF831-33, FF725&FF730, FF682, FF589, FF534

**Termcap** A port of the GNU termcap library for the amiga. Termcap is a library of C functions and a database of terminal descrip- tions, that allows an application to send control strings to terminals in a way independent of the specific terminal type. Author: Various FF733

**termcapA** (mostly) UNIX compatible implementation of a termcap library. First ever public release. Author: Fred Fish FF14

**TermII** A telecommunication program with some nice features including an ARexx Port external process communications XPR support programmable function keys postscript downloading to laser printers phone book programmable panel buttons public screen support etc. Documentation in English and in French. Needs Workbench 2.0. Version 1.1 binary only (some examples in C). Author: Eric Gontier FF576

**terminal** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Terminator:** A virus protection program. By Russell Wallace ACS

**termLite** A tiny, almost brain dead telecommunications program written for AmigaOS release 2.x. Can be made resident, supports cut & paste from console window, written as a simple interface to the serial/parallel device driver. Version 1.0, includes source in 'C'. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**TermPlus** Yet another variant of Michael Mournier's AmigaTerm program. This one includes improved ASCII capture, CRC and checksum xmodem protocol transfers, CompuServe B-protocol transfers, a phone library, function key support, and limited AmigaDOS functions. Enhancements by Bob Rakosky FF33

**termtest** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Terrain 3D** Program which demonstrates generation of good looking pseudo-random scenery. This version is a derivative of 'sc' distributed on disk 87, but now displays terrain in 3D relief. Includes source. By Chris Gray; 3D version by Howard Hull FF94

**Terrain** Program which demonstrates generation of good

looking pseudo-random scenery. Includes source in Draco. Author: Chris Gray FF61

**TES** 'The Electronic Slave' adds a gadget strip to the top of the cli window to perform such functions as device directories, info, run ED, and time. Currently, assignments are hardcoded but not difficult to change if you own a compiler. Version 1.1, includes source. Author: Joerg Anslirk FF162

**Tetrix** A addictive game of speed, skill and luck. Based on a game originally called Tetris. The object is to fit together oddly grouped falling blocks to create a solid wall, which is then cleared from the bottom up. Sounds simple enough right? Sure...! Shareware, Version 1.1. Binary only. Author: David Corbin FF173

**TeX** A complete source and binary distribution of TeX version 3.1 and MetaFont version 2.7 for 68020/030 with FPU. Because of it's size it's distributed on six disks (611-616) in archived form. Does not include any pk-fonts previewer or device drivers. Author: Donald Knuth et. al. Amiga port by Edmund Margl FF611-616

**TeXDdemo** A demo version of TeX, ported to the Amiga by Tomas Rokicki. I have added 'less' to read the text files. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using xcopy, which preserves the file dates. This insures that disk fragmentation is kept to a minimum. In order to make room for the files I have added, I have compressed the file TeX/inputs/amigatex.tex using a version of compress (compress.b13) that should run on any standard 512K amiga. This version of compress is found in c:/compress.b13. To recover the original file, execute the commands: cd AmigaLibDisk83:TeX\inputs /c/ compress.b13 <amigatex.tex.Z >ram:amigatex.tex -d. Since this is a demo version of Tom's commercial product, it has several limitations that let you get the flavor of the real thing but encourage you to buy the commercial version. These limitations include TeX being limited to processing only small files, the previewer being limited to displaying ten pages or less, and only a small number of fonts being provided. The full version of AmigaTeX comes on eight floppies and will handle larger documents than most mainframe versions of TeX. See the text/README file for further info.-Fred FF83

**TeXFA** selection of 78 TeX fonts, with a conversion program to convert them to Amiga fonts. There are 22 different fonts at various sizes, ranging from 15 pixels high to more than 150 pixels. The conversion program can also be used with the fonts distributed with AmigaTeX, yielding an additional 1000 or so more fonts for use with other Amiga programs. Version 2.5, binary only. Author: Ali Ozer FF135

**TeXify** A package of ARexx scripts, for CygnusEd users, which allows total control of AmigaTex from within CED. This is version 1.10e, binary only. Author: Wolf Faust FF458

**text.demo** Sample program that asks AvailFonts() to make a list of the fonts that are available, then opens a window and then prints a description of the various attributes that can be applied to the fonts, in the font itself. Previous versions were released as 'whichfont'. Author: Rob Peck FF5

**TextDisplay** A text display program, like 'more' or 'less', but about half the size and handles all screen formats (pal/ntsc, interlace/non-interlace, etc). Binary only. Author: Roger Fischlin FF244, FF188

**TextPaint** Version 0.97 of the Ansi editor. Several significant enhancements and bug fixes since the release of version 0.90 on FF346. Features include possibility to reload ansi files or CLI modules, 4 color option, optimized keyboard layout, new drawing modes, right mouse button support (like DeluxePaint) and much more. Binary only. Author: Oliver Wagner FF361, FF346

**TextPlus** A TeX frontend word processor that provides facilities for tables, lists, mailmerge, footnotes, inclusion of IFF graphics, an ARexx-Port (111 commands) and full OS2.0/3.0 compatibility. Makes use of PasTeX, Georg Hessmann's Amiga implementation of TeX. New features are support for LaTeX, MakeIndex (automatic index generation) and printing via PRT: (TeX is not needed for the latter). Disk 846 contains the English version 4.10, an update to version 4.00 on disk 700. Disk 845 contains the German version 4.10, an update to version 4.00 on disk 700. Shareware, binary only. Author: Martin Steppeler FF846, FF700, FF484, FF465, FF375, FF359

**Textra** This easy-to-use text editor allows multiple windows, and provides a simple mouse driven interface. Those familiar with the 'Macintosh style' editors will be comfortable with Textra's Cut, Copy and Paste commands. Documentation inclu- ded. Version 1.12, an update to version 1.0 on disk 239, with many enhancements. Shareware, binary only. Author: Mike Haas FF668, FF239

**TextRead** A nice, fast, ascii text file reader which was designed to replace More or PPMore. The text output is very quick, since the program writes directly into it's screen memory. Supports printing, different tabsizes, fonts and screen modes. Configurations can be saved. Search routines use the locale library, if present. Requires OS 2.04, ReqTools.library v37+ and PowerPacker.library v35+ (both included). Version 37.16, release 1.03. Freeware, binary only. Author: Martin Blom FF767

**Texts** An article on long-persistence phosphor monitors, tips on making brushes of odd shapes in Deluxe Paint, and recommendations on icon interfaces from Commodore-Amiga. AM14

**TextStat** An extended 'wc' (word count) program. It has all features of the SAS/C 'wc' plus the ability to count the frequency of ASCII characters alphabetical characters and many other things in a text. Version 1.10. Freeware. Sourcecode included. Author: Stefan Zeiger FF584

**TG** No system without a graphical user interface is complete without an 'Eyes' program. Includes source. Author: Thomas Geib FF548

**Thai** A simple Thai quiz program developed by the author while he was learning the Thai language. It loads complete Thai sentences and words from a supplied file. If you click on the sentence or word gadget the program will pick a random sentence/word. You then click on the Thai/Speak/Phonetic/ English gadget to display that version (or speak it). Includes source. Author: Alan Kant FF98

**The KickPlay Dir** Several texts that describe several patches to the Kickstart disk. For Amiga 1000 hackers who feel comfortable patching a disk in hexadecimal, KickPlay offers the chance to automatically do an ADDMEM for old expansion memory, as well as the ability to change the picture of the 'Insert Workbench'. AM25

**TheA64Package** A comprehensive emulator/utility package to assist Commodore 64 users in upgrading to the Amiga. This package compares to or surpasses the commercially available packages of the same nature. Many of the utilities require a hardware interface that allows the Amiga to access C64 peripherals such as disk drives and printers. The hardware interface available from QuesTronix. This is version 2.0 an update to version 1.0 on disk 379 and includes many new features. Binary only. Author: Cliff Dugan QuesTronix FF555, FF379

**TheDatingGame** A very well done animation by Eric Schwartz. This is Eric's biggest animation project to date. The animation lasts nearly 4 minutes and requires 3 MB of RAM to run. Flip the Frog has all kinds of trouble getting to the house of his girlfriend, Clarisse Cat. This cartoon animation follows the style of the short theatrical cartoons of earlier days. The animation unpacks to two floppies. Shareware. Author: Eric Schwartz FF505

**TheGallowsA** hangman type game with over 3000 words. The objective of the game is to fill in the blanks and guess the word before the prisoner is hung after the seventh miss. New words can be added to the list of words to guess up to a maximum of over 9450 words. Version 1.0 shareware binary only. Author: Joe Rattz Jr. FF586

**TheGuru** A program every Amiga fan should have. Puts the guru back in Kickstart 2.0. A comeback you will not want to miss. New features include support for virtual and public screens, editing of phonemes and a full gadtools interface. Version 2.0, an update to version 1.0 on disk 378. Requires AmigaDOS 2.0. Binary only. Author: Nico Francois FF542, FF378

**TheWeb** A graphic-diagram based, interactive environment for data acquisition and processing. This is a freely distributable demonstration edition that has a restricted set of modules, and cannot save things to disk, but is otherwise fully featured. The concept is of data packets travelling along paths between data handling elements. Configurations are built by placing and connecting the desired elements on screen using the mouse. Needs the 2.04 or later operating system and at least 1MB of memory. Version 1.1, binary only. Author: Pete Goodeve and David Navas FF711

**ThinFonts** Seven fixed width fonts in two designs to get more characters on your screen. Made for usage on hires interlaced screens and A2024 modes. Author: Dirk W. Reisig FF597

**ThinkAMania** A 'Concentration' like board game. It features excellent hires graphics, funny sound effects and enormous fun for up to two players regardless of age and education. This share- ware version is 100% functional, but does include a requester that pops up from time to time to remind you of the shareware fee. All options are available and the complete set of stones is integrated. Version 2.9, an update to version 2.1 on disk 541. Binary only. Author: Thomas Schwoeppe, Dirk Respondek FF709, FF541

**ThreeDee** 3D function plots. ABASIC program. AM1

**TicTacToe** A simple TicTacToe game. Binary only. Author: Jonathan Potter FF412

**tictactoe** The classic game written in AmigaBASIC. AM11

**TilesA** basic tile game like Shanghai or GunShy. A board is covered with a set of 144 tiles, 36 different sets of 4 identical tiles, each with a picture on it. The object is to remove all the tiles, 2 at a time, by matching identical tiles. Version 2.1, includes source in Modula II. Author: Todd Lewis FF241

**Tilt** Another of Leo's cute little toys. This one makes your Amiga look like it didn't pass Commodore's vibration testing. Author: Leo Schwab FF54

**Time Out!:** Accessing the Amiga's system timer device via Modula-2. Author: Mark Cashman AC11

**timedely.cs** Smple timer demo. C program. AM4

**TimeKeeper** A program that restores system time after resets. This is accomplished by storing the current time in a resident structure at regular intervals and restoring it at reboot. Useful for Amigas that don't have a battery backed up clock. Requires KickStart 2.0 or higher. Version 1.0, includes source in C. Author: Mattias Molkesson FF810

**Timer** Creates a small window containing a timer. Version 1.5, binary only. Author: Bill Beogelein FF90

**Timer** The timer device made easy! Example of how to create both synchronous and asynchronous waits. Includes a sample C program, a detailed technical discussion, and modules that you can plug in to your C programs. Author: Timm Martin FF429

**timerSimple** timer example program. Includes dynamic allocation of data structures needed to communicate with the timer device, as well as the actual device IO. Author: Rob Peck FF5

**timer.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**timer.c** Exec support timer functions. C program. AM4

**TimeRAM** A program to test the access speeds of Fast and Chip RAM. Binary only. Author: Bruce Takahashi FF96

**TimeSet** Handy little utility to set the system time from the workbench environment, without resorting to preferences. Binary only. Author: Unknown (DEH7) FF71, AM3

**Timetest** Working example to show the time() and

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

gmtime() functions of the Lattice C support library. Includes source in C. Author: Oliver Wagner FF346

**Timing** A program to clock the time between two events. You can use several names, enabling the timing of different events. Useful mainly in scripts though other uses are possible. Timing can give the elapsed time in ticks, seconds or in the normal hh:mm:ss format. Version 1.21, freeware, binary only. Author: Chris Vandierendonck FF785

**timrstuf.c** More exec support timer functions. C program. AM4

**TinyClock** A cute little analog clock with lots of features, including pop-to-front, hourly chirp, and alarm. Size and colors used are configurable, and it uses very little memory or cpu time. Requires Kickstart 2.0 or higher. Binary only. Author: Martin W. Scott FF696

**TinyProlog** VT-PROLOG is a simple prolog interpreter provided with full source code to encourage experimentation with the PROLOG language and implementations. Version 1.1, includes source. Author: Bill and Bev Thompson FF145

**TitleGen** A simple script language program for generating vertically crawling title sequences in any font and up to 500 lines long. Good for video production. Version 1.6, binary only. Author: Kevin Kelm FF300

**TitlePage** Prints banner-type title pages for identifying listings. Lots of command-line options for specifying various fonts, pitches, typesizes, selectable centering, etc. Includes source. Author: Joel Swank FF174

**TKEd** TKEd is a very comfortable Intuition-based ASCII editor with an english and german user-interface. It can read texts packed with PowerPacker, has user-definable menus, a comfortable AREXX interface with 109 commands, an interface to some errorlots for programmers, macros, undo, wordwrap, supports foldings, has an online help mode, and many other features. TKEd is reentrant and can be made resident. It's Kickstart 1.3/2.04 compatible, supports the new ECS-screenmodes, an application window and checks itself for linkviruses. Version 1.11, an update to version 1.05 on disk 689. Binary only. Author: Tom Kroener FF781

**TKED** TKEd is a very comfortable Intuition-based ASCII editor. It can read texts packed with PowerPacker, has user-definable menus, a comfortable AREXX-interface with 102 commands, an interface to some errorlots for programmers, macros, undo, supports foldings, and many other features. TKEd is reentrant and can be made resident. It also checks itself for link-viruses. Version 1.05, an update to version 1.00a on disk 620. Binary only. Author: Tom Kroener FF689, FF620

**TLog** An intuition based program that records statistics to monitor athletic training progress. Maintains a daily record of distance, time, heart rate, weight and temperature. Links a text file with the record for a free form diary. The AREXX commands provide the basis for generating custom reports from the data base. Sample script allows TLog to automatically get to a scheduler to post reminders of upcoming events. This is version 2.01, an update to version 1.0 on disk 514. Share-ware, binary only. Author: Ed Bacon FF641, FF514

**TLPatch** A utility to allow corrections in pronunciation for programs that use the Translate() function. It allows you to extract the exception table from the translator.library, use a text editor to edit the table, and then restore it back into the library. Version 1.0, includes source. Author: Richard Sheppard FF481

**TMKBP** The Multi-Kickstart Board Project lets you build a Kickstart ROM switcher compatible with the Amiga 500 and Amiga 2000. It will hold up to 3 versions of Kickstart and can be switched between via an external switch. If software does not work under Kickstart 2.0 simply flip the switch and reboot under 1.3. It includes full step-by-step documentation as well as schematics and diagrams. This is revision 3.1. Author: Neil Colto and Michael Cianfone FF587

**TMonth** TMonth will execute any program the first time it's executed each month. Very useful, for example, to execute the ATOM-CLOCK program to set your clock each month. Version 1.0f, binary only. Author: George Kerber FF432

**Today** Amiga implementation of IBM PL/1 history program. Tells you important events and birthdays on current or specified day. Command line options include once-per-day setting for startup sequences. Version 0.91, binary only, shareware. Author: David Plummer, data files originally from an IBM VM/CMS version by Mike Butler FF368

**tom** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ToolLib** A shared library containing 45 useful functions for all kinds of programs. There are functions for ports, sorting, gadgets, memory, string, directory and file handling, etc. Version 8.1, an update to version 7.6 on disk 438, includes source. Author: Jan van den Baard FF475, FF438

**ToolLibrary** A shared library for the Amiga. Contains some mathematical (evaluation of strings) and Intuition (menus, requester) functions. Version 2.08, includes source. Author: Rudiger Dreier. FF376

**ToolManager** ToolManager is a full featured program for either WorkBench or CLI tool management. Includes the ability to add menu items to the 2.x 'Tools' menu, add WorkBench icons or dock Windows. Features multi-column docks that automatically detect largest image size, ARexx, sound and Locale support. This is version 2.0, a complete overhaul since version 1.5 on disk number 551. Complete new 'object-oriented' concept and configuration is now handled by a preferences program. Includes source, lots of graphic images, and programmers support for using the toolmanager.library. Requires 2.x for full functionality. Author: Stefan Becker FF752, FF551, FF527, FF476,

FF442

**ToolsDeamon** Allows you to run programs simply by selecting a menu item from the tools menu of WorkBench 2.0. Both shell and WorkBench programs are supported including arguments and tool types for both. Version 1.0 binary only. Author: Nico Francois FF561

**ToolTypeWatch** Helps you if you are searching for ToolType-keywords of a certain application. It patches the FindToolType() and the MatchToolValue() functions of the icon.library and records all calls to these functions along with the given arguments. This allows you to discover all keywords supported by an application as ToolTypes. Version 0.7 includes source. Author: Uwe Röhm FF596

**TooMuch3D** This animation is Jim's entry to the 1989 BADGE Killer Demo Contest, where it won 10th place. It is a warning to those of you who spend too much time in front of your computer monitors. Binary only. Author: Jim Robinson FF270

**topography** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Touch** A simple command to set the date of a file to the current date. Uses new supported method of setting a file date stamp (rather than reading and writing back a byte) Author: Phil Lindsay and Andy Finkel FF49

**TownMaze** A program that designs a town-shaped maze like the town 'Bard's Tale I' uses. Version 1.2, includes source. Author: Kent Paul Dolan FF529

**toybox** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**TplEdit** A gadtools template editor that is able to generate standalone C source code and does generate its own surface. This is version 2.00 beta an update to 1.00 on disk 480. Requires AmigaDOS 2.0. Includes source. Author: Matt Dillon enhancements by Koessi FF583, FF480

**tr2tex** Converts documents in UNIX troff format to LaTeX format. It is intended to do the first pass of the conversion, with the user finishing up the rest of the conversion. Most of the converted document will be in LaTeX format, but some of it may be in plain TeX. Amiga version 1.02, includes source. Author: Kamal Al-Yahya; Amiga port by Martin Hohl FF671

**trackdisk** Demonstrates use of trackdisk driver. Useful example of 'raw' disk read/write. Author Rob Peck FF5, FF1

**TrackDisplay** A simple program that continuously monitors and displays the current track for each floppy disk. Includes source. Author: Olaf Barthel FF399

**TrackDOS** A program that allows easy transfer of data between DOS memory and trackdisk.device. DOS means the data contained within a file memory means the data contained anywhere within the memory map and trackdisk.device means data stored on a disk not accessible with DOS (eg. bootblocks special loader disks etc.). The transfer of data between these three areas is not normally easy or convenient. TrackDos was written to overcome this. This is version 1.11 an update to version 1.08 on disk 502. Binary only. Author: Nic Wilson FF620, FF502, FF422, FF365

**Tracker** Useful debugging routines similar in function but more versatile to those of 'MemTrace' on FF163. Will track and report on calls to AllocMem(), FreeMem() [or lack thereof!] among others. V0.0a (Alpha release). By Karl Lehenbauer FF181, FF35

**TrackMaster** A small tool to help game developers create selfbooting trackdisk loading gamedisks. Trackmaster uses a script file to process datafiles (join compress relocate special actions). The processed data is written to disk via trackdisk.device. A bootblock for the first datafile which should be a pc-relative loader and a file lookup table is created and written to disk. Manual and source included. Version 1.7. Author: Carsten Schlotte FF569

**TrackSalve** A Trackdisk patch which removes all known bugs, and one unknown so far, and patches the Trackdisk task to allow various enhancements, such as reading good sectors from partially bad tracks, write verification, write protect simulation, auto motor off, auto update and turning off clicking. Other features are MFM-update and I/O by non-chip buffers. This is version 1.3, an update of version 1.0 on FF312. Includes source in C and assembler. Author: Dirk Reisig FF355, FF312

**TrackUtils** Two utilities that deal with disk tracks. TCopy copies one or more tracks from one disk to another, and is useful for copying part of a floppy disk into RAD: during bootup. TFile creates a dummy file which 'marks' a specified range of tracks, preventing AmigaDOS from using them and allowing them to be used for raw trackdisk data. Includes C source. Author: Eddy Carroll FF350

**Trails** Cute little program that leaves a trail behind the pointer when the mouse is moved. The trail has programmable symmetry, thickness, and length. The other interesting thing about this program is that it is written in Modula-2 (source provided). Author: Richie Bielak FF32

**Train** An electric train contruction set game simulation. Shareware, binary only, source available from author. Author: Dennis Saunders FF428

**TrainerMaker** A program that allows you to modify money, number of lives, or high scores of some games. The game to be modified must be capable of multitasking. Version 0.8, binary only. Author: Andreas Ackermann FF532

**translator.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Trashicon** A WorkBench 2.x application icon to delete files. Puts an icon at a possibly user defined position on the WorkBench screen, that deletes all files that are dragged onto it. This is version 1.2, binary only. Author: Mark McPherson FF839

**Tree** A very simple directory tree traversal program, written primarily as an aid to creating zoo archives and disk backups. Has options to exclude certain directories or files with specific extensions. Includes source. Author: Tomas Rokicki FF306

**Tree** Draws a recursive tree (green leafy type, not files). Author: Robert French (original version by W. Balthrop) FF31

**Tree Traversal & Tree Search: Two common methods for traversing trees.** Author: Forest W. Arnold AC10

**Tree4D** Creates 3D branching trees for Sculpt 4D complete with leaves. Many aspects of the shape and design of the trees are modifiable including color and detail level. Objects are output in Sculpt's 'scene' format. Full Intuition interface. This is version 1.5 shareware binary only. Author: Bruce Thomson FF588

**TreeGrow** TreeGrow is a program which generates quasifractal trees or plants. The idea is taken from 'Spectrum der Wissenschaft', the german release of 'Scientific American'. Version 1.0, freeware, includes source. Author: Benjamin (Pink) Stegmann FF814

**Trees and Recursion:** An introduction to binary trees and how to use recursion. Written in C. Author: Forest Arnold. AC7

**Trees** Another 'tree growing' program, similar to the one on FF31, but more extensive. Author: Unknown; Amiga version by Terry Gintz FF49

**tree.o** UNIX compatible tree() function, Assembler program. Object file and documentation provided. AM2

**TreeWalk** A subroutine command for visiting all the files of a subtree of an Amiga file system, testing every file in the specified subtree against a supplied 'filter' expression, and if the file passes through the filter, to issue the specified command with that file as one of the arguments. It is designed to be fast, robust, and not use a lot of any critical resource. Includes both a CLI interface to that routine the form of a find-like utility that uses C expressions instead of Unix-like flags, and a program to tell you if directory trees will fit on a given disk, or how many extra blocks you'll need if they won't. Includes source. Update to version on FF289. Author: Mike Meyer FF352, FF289

**Trek** An excellent shareware Star Trek game. The object of the game is to stay alive, healthy, and maintain the Enterprise in good condition. As Captain of the ship, you must go on missions where you show your common sense and level headedness. An overly cautious Captain will loose his ship as well as a careless or irrational Captain. This distribution unpacks into two almost full disks. Version 1.0, binary only. Author: Tobias Richter FF409

**trek73** A Star Trek game. This one is just crying out to be Amigaized by some ambitious hacker. Authors: Many, see comment in main.c FF10

**TrekTrivia** Very nice mouse-driven trivia type program for Star Trek fans. Contains 100 questions with additional trivia disks available from the author. Includes selectable skill levels, a cheat mode, and 250K of digitized music. This is version 3.0, an update to version 2.0 on disk 252. Binary only, shareware. Author: George Broussard FF422, FF252, FF180

**Triangle** A game like chinese checkers, consisting of fourteen pegs and one empty hole in a triangular formation. The object of the game is to leave one peg in the original empty hole or have eight pegs on the board and no possible moves. Version 1.1, includes source in BASIC. Author: Russell Mason FF469

**triangle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Tricky** Another of Peter's innovative and addictive games. Sort of a video-bowling concept where the object is to wipe out groups of computerized symbols in such a fashion that the last item hit becomes the target for the next ball (with a few tricks of course!). Lots of levels and the usual level editor that accompanies most of Peter's games. Binary only. Author: Peter Handel FF367

**TriClope** Very nice graphics oriented 3D space invasion game. This was previously a commercial product which is being released into the public domain for promotional purposes (they are working on a multiuser, multmachine version) Author: Mark Adams, published by Geodesic Publications FF35

**Triple** 3 demos of some of the Amiga's graphics and sound capabilities. Binary only. by: Tomas Rokicki FF206

**TripleYachtZ** An implementation and variation of the game 'Yacht'. Plays both Single (the standard game) and Triple, which differs from normal Yacht-Z in that all scores in the 3rd column of your scorecard are worth three times as much as the normal value and those in the 2nd are worth double. Version 1.2, binary only, source available from author. Author: Stephan Iannce FF470

**Trippin** A Workbench game based on an out-of-print board game. The object is a race in which each move you make restricts your opponent's choice of countermoves. Features a computer opponent of adjustable toughness. Includes source. Author: Paul Kienitz. FF429

**Tron** Another game about the lightcycle race sequence in the science fiction computer film Tron. One or two players and other options. Written in GFA-BASIC and then compiled. This is version 1.23, an update to version 1.1 on disk 355. Now includes source in GFA-BASIC. Author: Dirk Hasse FF411, FF355

**Tron** Another game based on the lightcycle race sequence in the science fiction computer film 'Tron'. This is version 1.0, unrelated to other Tron releases in the library. Includes source in assembly. Author: Thomas Jansen FF461

**TrueEd** A shareware editor. Version 5.5, and update to version 3.40 on disk 630. No documentation, binary only. Author: Jürgen Klein FF804, FF630

**TSFSuite** A suite of programs to allow use of a Teac SCSI

# Freely Redistributable Software

Floppy on the Amiga. Included are programs to set the mode to 1 or 2 Meg [TSFMx] to format to 1 or 2 Meg [TSFxx] a utility that does disk changes for you [TSFADC] and a SCSI exerciser to explore the controllers on the SCSI bus. Source is available upon request. Author: Harvey Taylor FF552

**Tsize** A simple utility to print directory tree sizes. Displays the total size of all files and subdirectories within a given directory. Author: Edmund Burnette FF35

**Tsnp** Very nice 'cut and paste' type utility with lots of uses and functions. Features a pop-up intuition control panel, multiple font and color recognition, clipboard and pipe support and a couple of utility programs. V1.4a, source for support programs only. By John Russell FF179

**TTDDD** Textual TDDD is an ASCII version of Turbo Silver's TDDD object and cell description files. The TTDDD format enables users to algorithmically generate objects, scenes, and animations. Includes programs to convert between TDDD and TTDDD formats. Version 1.0, shareware, binary only. Author: Glenn M. Lewis FF420

**TUC** 'The Ultimate Clock'. Another window title clock/memory minder. This one is in 132 columns! Also gives the free memory on drives D0, D1 & D2. Includes source. Author: Joerg Anslik FF159

**Tumbler** Tots: A complete game written in Assembly language. Save the falling babies in this game. Author: David Ashley AC1

**Tunnel** An interesting graphics demo written in TDI-Modula 2. I suggest you don't stare at this too long! Includes source. Author: Garth Thornton FF174

**TunnelVision** Another fine ABASIC game from David Addison. This is a maze game with a 3-D perspective view from inside the maze. Author: David Addison FF36

**Turbo** Opens a small window with a gadget that when selected, turns off biplane, sprite, copper and audio DMA, presumably to increase system speed. Includes source. By Oliver Wagner FF170

**TurboBackup** A fast mass floppy disk duplicator with enforced verify mode to prevent generation of incorrect copies. Version 1.00, binary only. Author: Steffen Stempel and Martin Kopp FF139

**TurboDEXA** compiler for the DEX language. DEX is a language similar in structure to Modula2 and C, but different and simpler in concept. Features include compact and fast executables, clear program structure, integration of Exec/Dos/Gfx/Intuition library calls in the compiler, inline assembly, register variables, commented assembly source output, easy to manage development system, and more. Version 1.2, an update to version 1.1 on disk 625. Public domain, binary only. Author: Wouter van Oortmerssen FF743, FF625

**TurboGIF** Demo version of a very fast GIF viewer, that is three to fifteen times faster than similar programs. Currently TurboGIF produces very high resolution black and white images only. Makes an excellent 'GIF previewer' to decide if a particular GIF is worth spending the time converting with one of the other converters. Shareware, version 1.0, binary only. Author: Steve Borden FF544

**TurboLife** An implementation of the cellular automaton 'Life'. This is version 3.10 an update to version 2.01 on disk 584 (Wizard- Works2). Shareware USS 10. Binary only. Author: Stefan Zeiger FF636, FF584

**TurboMandel** A fast mandelbrot program, written in a mix of C and assembly language. You can select between using floating point or integer calculation. Other features include a full intuition interface, cycling capabilities, extensive color control, a user definable iteration depth, fully implemented zoom, a 3-D display mode, support for extra halftone as well as interlace and hires, IFF load and save, accuracy selections, and more. Version 1.0, includes source in assembly and C. Author: Marivolt Philip FF302

**TurboQuantum** A SCSI bit twiddler program that will set or clear the 'Disable Disconnection' bit in a Quantum drive's 'Control Parameters Mode Page'. Disabling disconnection during data transfers can result in a large performance boost on some systems. Binary only. Author: Ben Fuller FF577

**TurboText** An almost fully operational demonstration copy of a new sophisticated text editor for the Amiga. Features many unique capabilities including an impressive AReXX interface with over 140 commands available, full outlining abilities, clipboard support, complete reconfigurability, recorded macros, programmer's calculator, emulations of many popular text editors, and much more. This demo version does not allow saving or printing of documents and limits the size of cut and paste operations. Version 1.0, binary only. Author: Martin Taillefer FF445

**TurboTitle** A program created for the purpose of subtitling Japanese animation films and to create a standard Amiga subtitle format. Is perfectly suited for subtitling any foreign film. Version 0.80, an update to version 0.71 on disk 424. Shareware, binary only. Author: Robert Jenks FF530, FF424

**TurboTopaz** Two text speed up programs like FastFonts. Allows replacement of the Topaz-80 font from both CLI and WorkBench. Includes a program to measure to speed of Text speed up programs. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**TurMite** A two dimensional turing machine simulator. Imagine a small bug crawling around on your computer display moving one pixel at a time. At each step it uses its internal state number and the color of the pixel it's on as indexes into a set of tables to decide what color to change the pixel to, what direction to move, and what its new internal state should be. Includes source. Author: Gary Teachout FF249

**Turn** An interesting board game with the simplicity of checkers yet requiring the move-lookahead of a good chess player. Binary only. Author: Peter Handel FF361

**Turtle** A shared library of 'turtle' functions for drawing in a RastPort. Includes source in assembly and C. Author:

Thomas Albers FF321

**TV\*Text** Demo version of the TV\*Text character generator. AM18

**TWA** A commodity that remembers the last active window on any screen. If screens are shuffled, the window is automatically re-activated, when that screen is brought to front. Version 1.0, binary only. Author: Matthias Scheler FF781

**TWC** Two Way Chat & Send enables you to make use of your modern's multi duplex feature. With TWC you can connect to another Amiga running TWC, then you may transmit files AND chat at the same time, in both directions. GUI-driven, needs KickStart 2.04 or higher. Version 2.03, freeware, binary only. Author: Lutz Vieweg FF801

**TwilightZone** A modular screen blanker with a user-friendly control panel. Provides: Selection of blanker module from an expandable list of modules; A 'blank-now' feature by moving the mouse pointer into a corner of the screen; A 'blank-never' option by moving the mouse pointer into a corner of the screen; Adjustable timeout, and selectable wakeup events. Version 1.1/2.0, binary only. Author: Rainer Koppler FF782

**TX** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**TX81Z** Editor/Librarian for the Yamaha TX81Z and DX11 synthesizers. Provides voice and librarian features similar to the FB-01 Editor/Librarian. Includes a Performance Editor and a Librarian. Version 1.23. Author: James M. Smith FF598

**TxD** Latest demo version of MicroSmiths' text editor, TxD. This is the full production version except that files are limited to 10K bytes in length and the search/replace functions are disabled. Also, demo is based on an older version of TxD, new release has additional features. Author: Charlie Heath FF31, FF20, AM12

**Txt** filters text files from other systems to be read by the Amiga E.C. AM17

**Txt2Exe** This program takes a text file, creating a runnable command which will output the text. Allows various operations to be done on the text. Binary only. Author: Oliver Wagner FF286

**Ty** A text display program based on Amiga 'less' version 1.0. Has both keyboard and mouse control of all functions, an intuition interface, and uses the Amiga specific keys (such as the Help key) correctly. Version 1.3, includes source. Author: Mark Nudelman, Bob Leivian, Tony Wills FF246

**TypeAndTell** Example program that demonstrates installation of an input device handler before the Intuition one. This example traps all keys typed by the user and pronounces them in real time. Includes source. Author: Giorgio Galeotti FF773

**Typing Tutor:** A program written in AmigaBASIC that will help you improve your typing. Author: Mike Morrison AC6

**TypingTutor** A simple typing tutor program which measures your typing speed and adjusts the level of difficulty accordingly. Shareware, binary only. Author: William Jordan FF434

**TypoGrapher** A softfont editor package for 24-pinwriters and DeskJet printers (any model). Editor supports Laser fonts, DeskJet fonts, Amiga fonts, pinwriter fonts and IFF files. Features include about 40 drawing commands, special effects (e.g. 3D look), import/export of IFF images, generation of width tables, and more. Includes several tools for easy download (e.g. simulation of 'soft' font cartridges). Requires at least 1Mb of memory. Version 2.05, shareware, binary only. Author: Dietmar Eliert FF697

**TypoGrapherFix** A patch for the TypoGrapher v2.05 font editor on disk 697. It fixes a bug which kept the program from running on KickStart 1.3 machines. Author: Dietmar Eliert FF710

**UCD** A utility for changing the current directory. It scans a disk and builds a file containing information about the directory structure that makes it possible for UCD to change directory to any directory in the scanned volume by simply naming the directory without pathname information. UCD can keep track of the directory structure of multiple volumes. Now supports wildcards. Version 1.15, an update to version 1.0 on disk 734. Binary only, shareware. Author: Uffe Holst Christiansen FF785, FF734

**UChess** A powerful version of the program GnuChess version 4 for the Amiga. Plays a very strong game of chess. Code has been rewritten and data structures re-organized for optimal efficiency on 32 bit 68020 and better Amiga systems. Fully multitasking, automatically detects and supports 640X480X256 color AGA mode machines, and does not at any time BUSY wait. Requires a 68020 / 030/040 based Amiga computer system with AmigaOS 2.04 or later and 4 Meg of ram minimum. Special 'L' version optimized for 68040 and requires 10 Meg of ram minimum. Supports a variety of standard features such as load, save, edit board, autoplay, swap sides, force move, undo, time limits, hints, show thinking, and a supervisor mode that will allow two humans to play with the computer acting as a 'supervisor'. Version 2.04, includes source. Author: FSF, Amiga Port by Roger Uzun FF790

**Udate** Udate is a replacement for the AmigaDOS date command, containing many options similar to the UNIX date command. Udate will allow you to set the date and time via prompts or directly from the command line, will display any part of the date or time using the options in any color desired, and will also make an automatic adjustment of your system clock for Daylight Savings Time so your computer will be one less clock you will ever have to set twice a year for DST. Update to version on FF311, this version is slightly smaller and works correctly with the 68030. Version 1.14c, binary only. Author: George Kerber FF365, FF311

**Uedit** A three part distribution of the popular editor by the

late Rick Stiles. Per Rick's wishes, the entire program, including source has been placed in the public domain so that it may continue to grow. Disk 768 contains the editor, config and support files, and Iharc'd documentation. Disk 769 contains the archives of the source, the spell checker and dictionaries and the proportional version of the editor, UEP. Disk 770 contains several Iharc'd archives of third-party support files, configurations and utilities. Included are emulation configurations for VI, EDT and wordstar, a directory utility, hypertext utilities, help key utilities and much more. Uedit is a completely customizable editor with a learn mode, a command language, menus, hypertext, online help, a teach mode, split windows, copy and paste, undo, spellchecking, many word-processing features and more. This is version 4.0, an update to version 3.0 on disk 622. Author: Rick Stiles FF768-770, FF622, FF539, FF471, FF415, FF286, FF254, FF189, FF173, FF121, FF60

**Uedit-Stuff** A variety of configuration material for Uedit. Includes stuff for remembering multiple chunks of deleted text, interfacing through Rexx with a terminal program, displaying matching (' characters when you press '), expanding abbreviations into phrases as you type, easily shifting lines and blocks of text left or right, improvements to several existing Uedit features, and more. Author: Paul Kienitz. FF429

**UeditUpdate** This is a partial update to the 2.5d version of Uedit on disk 286. It includes only the UES executable, which has had patches d1 through d4 applied. Disk 286 is still needed for a complete Uedit shareware distribution. Binary only. Author: Rick Stiles FF301

**Ueturbio** Example of extensive customization of Uedit to set up a nice development environment. Includes source. Author: Tom Althoff FF60

**Uhr** A small configurable digital clock (Uhr is german for 'clock'), that makes use of the FormatDate() function in WorkBench 2.1's locale.library. Requires at least Kickstart 2.04 and WorkBench 2.1. Includes source. Author: Stefan Sticht FF757

**Ultra Sonic Ranging System:** BASIC Sonar Ranging program. Author: John Iovine AC13

**UltraF-4** Demo version of a super graphic based floppy format program that can format four floppy disks at the same time and even format disks that other programs give up on. Binary only. Author: Terry Bullard and Signa Bullard FF444

**UnDelete** Restores deleted files and (empty) directories with a fast deleted-file-find routine. It is often as fast as 'delete'. Works on all OFS and FFS disk devices, but from Shell only. Version 1.02, binary only. Author: Ekke Verheul FF795

**undeleat** Executable program undeletes a file. Documentation included. AM12

**UnHunk** Tool to process the Amiga 'hunk' loadfile format. Collects code, data, and bss hunks together, allows individual specification of code, data, and bss origins, and generates binary file with format reminiscent of UNIX 'a.out' format. The output file can be easily processed by a separate program to produce Motorola 'S-records' suitable for downloading to PROM programmer. Author: Eric Black FF26

**UnIfdef** Useful program for removing ifdef'ed sections from a file while otherwise leaving the file alone. Allows one source to be used as a porting base for many machines, without shipping the entire source to every source customer. (Pre-process for their machine and send them only the source for their specific machine). Author: DaveYost FF35

**Uniq** A text processor which compacts repeated adjacent lines. Intended to be used with a sorted file to print unique lines, or repeated lines. Behaviour and options like UNIX version. Version 1.1, includes source. Author: John Woods, Amiga port by Gary Duncan FF317

**Units** Units conversion program, including a chart option which allows you to create charts of conversions. Nifty. Includes source. Author: Gregory Simpson FF74

**UNIXArc** A version of arc suitable for UNIX System V. Author: System Enhancement Associates FF50

**UnixDirs** A program which intercepts calls to dos.library to add the UNIX style '.' and '..' syntax for current and parent directories, respectively, to file and path names. I.E., you can refer to files in the current directory as './foo' and files in the parent directory as '../foo', or any combination of the two. Similar to program on disk 321, but independently developed. Includes source. Author: Martin Scott FF837, FF321

**UnixUtil** A few CLI utilities, including some functionally similar to the UNIX utilities of the same names. Included are: Wc, Head, Tail, Tee, Detab, Entab, and Trunc. Descriptions are given in the included '.doc' files. By Gary Brant FF179

**UnixUtils** A collection of UNIX like programs for the Amiga. Includes head, tail, sort, strings, diff and find. The first four are original programs; find is derived from tree by Tomas Rokicki, diff is a port of the GNU version. Includes source. Author: Maurizio Loreti FF663

**UnknownGirl** Another small musical piece similar in execution to 'Synthemania' on FF153. Binary only. By Holger Lubitz FF162

**Unshar** This program extracts files from Unix shar archives. It scores over similar programs by being small and fast, handling extraction of subdirectories, recognising a wide variety of 'sed' and 'cat' shar formats, and handling large files spread across several shar files. This is version 1.3. Includes C source. Author: Eddy Carroll FF345, FF287

**Unsporting** Another cute Aeroton animation from Eric Schwartz, starring the A-10 Thunderbolt aircraft, better known as the 'Warthog'. This aircraft's job is to hunt and destroy tanks and other things on the ground, and that is exactly the subject of this animation. Requires approximately 2Mb of memory. Author: Eric Schwartz

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

FF644

**Up&Down** The object of this game is to get four of your chips in a row (across, down, or diagonally) without letting your opponent get his chips in a row first. Binary only. Author: Jason Bauer FF462

**Update** Used to update an older working disk with files from a newly released disk. Files on the older disk that are out of date will be upgraded with files from the new disk. Author: Unknown, downloaded from Software Distillery FF45

**UpdateIcon** A tool to add icons to files and drawers which do not yet have icons attached, to update the default tools and to reset the positions of icons. Very handy for installation scripts. Requires Kickstart and Workbench 2.04 (or higher). Version 1.0, includes source in C. Author: Olaf 'Olsen' Barthel FF688

**Uranus** An IFF picture. AM6

**Utilities** A group of four little utility programs, Cal, Undelete, DClock and WhereIs. Binary only, see the ReadMe file for a description of each. Author: Dan Schein FF154

**Utlis** A group of small utility programs requiring ARP. Du displays the disk space used by a directory, Head displays the first lines of a file and Cookie displays a humorous message. All executables are very small (less than one disk block each). Assembly source is included. Author: Stuart Mitchell FF416

**UUCoderWindow**An intuition user interface for the CLI commands UUEncodeX and UUDecodeX, written by Michel Bekke. Requires AmigaDOS 2.x. Version 1.0, freeware, binary only. Author: Nils 'Jon' Görs FF818

**UUCP** An implementation of uucp for the Amiga, including mail and news. This is Matt's version for the Amiga, based on William Loftus's Amiga UUCP 4.04 release with news code from his 0.60 release, and months of work by Matt to make fixes and add enhancements. This is version 1.13D, an update to version 1.08D on disk 442, and consists of four parts. Parts 1 and 2 are on disk 479, and parts 3 and 4 are on disk 480. Includes source. Author: Various, major enhancements by Matt Dillon FF479&480, FF445 & FF450, FF443 & FF442, F360, FF313, FF310, FF152

**Uudecode** Programs to encode/decode binary files for transmittal via mail, or other text-only methods. Binary file is expanded by approximately 35% for transmittal. Author: Mark Horton FF38

**Uuencode** Programs to encode/decode binary files for transmittal via mail or other text-only methods. The binary file is expanded by approximately 35% for transmittal. This release is an update to the version on FF53, and includes a simple line-by-line checksum technique that can read and write files compatible with the older uuencode/ uudecode, plus a file size test modification that is transparent to older uudecodes. Author: Mark Horton with mods by Alan Rosenthal and Bryce Nesbitt FF92, FF53

**Uupc** Version 1.0 of a suite of programs that will allow you hook up your Amiga as a usenet node. Includes source. Author: Richard Lamb, Stuart Lynne, Jeff Lydiatt FF109

**Uw**UNIX Windows client for the Amiga. Version 1.00, includes source. Author: Michael McLerny FF79

**VA** front-end for Commodore's More or some other text viewer that can be made resident. Can be used from Workbench, greatly reducing disk loading time because V is much smaller than More, which need not be loaded if it is resident. From CLI, causes More to create a new window, specified with an environment variable, rather than using the CLI window. V is itself residentable. Much improved since the version on disk 224, to which it is only distantly related. Includes source in assembly. Author: Paul Kientz FF429

**v1.1.txt**Text, 'diff' of include file changes from version 1.0 to 1.1. AM5

**v1.1update** Text, list of new features in version 1.1. AM5

**v1.1fd.txt** 'diff' of .fd file changes from version 1.0 to 1.1. AM4

**v28v1.diff** 'diff' of include file changes from version 28 to 1.0. AM4

**VacBench** This amusing little screen hack will 'clean up' your Workbench screen for you when it gets too cluttered! Binary only. By Randy Jouett FF184

**ValCon** Converts a value from one number notation system to another. Currently the decimal, hexadecimal, binary and octal systems are supported. Version 1.10, freeware, binary only. Author: Chris Vandierendock FF782

**ValSpeak** A filter program which transforms its standard input to 'valspeak' on its standard output. Author: Unknown FF46

**Vampire** Woman Vampire in LoRes FF72

**VAUX-Killer** A very funny animation which won 2nd place in the 1989 BADGE Killer Demo Contest. Because of its size, the demo is split across two disks. Two floppy drives, or a hard disk, are strongly recommended. Binary only. Author: Roger Curren FF265 & 266

**VAXterm** A VT220 terminal emulator that is close to the real VT220 terminal in both supported facilities and user interface. Designed primarily for connection to VAX/VMS, it should work with any host computer with VT220 terminal support. Supports file transferring for ASCII files by means of DCL commands. Version 2.4, includes source. Author: Tuomo Mickelsson FF369

**Vc** Visicalc-like spreadsheet calculator program. Author: James Gosling. Amiga port by Peter Hardie FF36

**vc** VisiCalc type spreadsheet, no mouse control. Executable program and documentation. AM14

**VcEd** A Voice (Tone) Editor for the Yamaha 4 Operator series syn- thesizers. Version 2.0, an update to version on disk 345. Binary only, source available from author. Author: Chuck Brand FF647, FF345

**VCheck** Version 1.2 of the virus detection program from Commodore Amiga Technical Support. This version will test for the presence of a virus in memory, or on specific disks. Binary only. Author: Bill Koester. FF126

**VCLI** Voice Command Line Interface allows you to execute

CLI or ARexx commands, or ARexx scripts, by spoken voice command through your Perfect Sound 3, Sound Master (Sound Magic), or Generic audio digitizer. VCLI is completely multitasking and will run continuously in the background, waiting to execute your voice command even while other programs may be running. With VCLI you can launch multiple applications or control any program with ARexx capability completely by spoken voice command. VCLI is compatible with both NTSC and PAL. This is version 5.2, an update to version 5 on disk number 751. New features include the capability to load alternate vocabulary files by spoken voice command, a choice of Amiga hardware timers to reduce interference with other programs, and immunity of the display to changes in system fonts. Binary only, requires AmigaDOS 2.0. Author: Richard Horne FF807, FF751, FF618, FF542

**VCR** A database for all your VCR tapes. Has built in search and print capabilities. Version 1.1, binary only. Author: Ken Winfield FF721

**Vdraw1.16** Shareware drawing program submitted by the author. This version uses menus but includes some items not on version 1.19, also on this disk. Drawing program, based on freedraw, but now transformed and enhanced beyond recognition. Draws hollow boxes, filled boxes, freehand sketches, lines, circles, and arcs. Also has area fill, text insertion, 16 different line patterns, predefined area fill patterns, a magnify mode, cut and paste, color inversion, erase, grid pattern, and more. This is version 1.14. This shareware program (suggested \$15 donation) was submitted by the author for inclusion in the library. Author: Stephen Vermeulen FF52, FF38, FF31

**Vdraw1.19** Latest version of Vdraw, with a completely new iconic user interface, and some other new features including a color palette mixer and DPaint style brushes, extended cutting features, area locking, and a flexible printing interface Author: Stephen Vermeulen FF52

**Vectors** A simple program to test how fast the Amiga can draw lines. Includes two versions, 1.0 and 1.1, each of which performs tests slightly differently. Includes source. Author: Gauthier Groult and Jean Michel Forgeas FF316

**vendors** Older text file of Amiga vendors, names, addresses. AM12

**Venus** An IFF picture. AM6

**Verify** Walks a directory hierarchy reading all files, reporting any files that can't be entirely read. Version 1.2, includes source. Author: Joel Swank FF304

**VerseWise** Gospel (Matthew, Mark, Luke, & John) version 1.0 of a Bible view/output/search program. Opening a resizable window on the Workbench screen, it allows the user to jump to any specific verse, output scripture to a disk file, or find verses containing one or more specific words. It uses the King James Version of the Bible, compressed. Binary only. Author: Bruce Geerdes FF549

**Vertex** A 3D object editor that differs from other 3D editors in many ways. You can choose any view, including perspective, to select points and examine objects. The view can be rotated, positioned and scaled at will by either typed in values or using the mouse, which makes the editor fast and responsive. This is version 1.62a, an update to version 1.36.3 on disk 648. Shareware, binary only. Author: Alexander D. Deburie FF727, FF648, FF608

**ves copy** protection. Executable program and documentation. AM14

**Vgad** A new gadget editor that takes two pictures of the window and its gadgets, one being the normal gadget state and the other being the fully selected state, and then merges the data and converts to C source code. Version 1.0, binary only. Author: Stephen Vermeulen FF137, AC1

**Viacom** Latest version of viacom for use in conjunction with the WaveBench demo. Binary only. Author: Leo Schwab & Bryce Nesbitt FF112, FF84

**vibrophone** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**VideoDat** A very simple databank to store information about your videos. Version 1.2 binary only. Author: Sascha Fengel FF582

**VideoMaxe** A program to manage one's private video tape collection. Both program and documentation are in German; no English version at this time. Version 3.22 an update to version 3.00 on disk 547. Binary only. Author: Stephan Sürken FF637, FF547

**Vidtex** Vidtex displays Compuserve RLE pics in source code and as an executable. AM11

**View** A mouse-oriented text file reader. Sample operation is demonstrated in reading the View.doc file, instead of using the usual 'Less' text file reader. By Bryan Ford FF163, FF58, AM14

**View** A text display with many controls and features including searches, file requestors, jump to editor etc. Version 2.0, an update to version 1.5 on disk 570. Includes source. Author: Jan Van Den Baard FF658, FF570, FF547, FF504

**View80** Scrolling text file reader with three scrolling modes controllable via keyboard or mouse. Opens file requestor if no filename is given. Automatically configures screen size for PAL or NTSC machine. Version 2.0, an update to version 1.1 on disk 365. Binary only. Author: Federico Giannici FF488, FF365

**ViewDir** Allows reading the current directory by commanding VIEWDIR ". Displays a listing of the specified directory with the total bytes at the bottom and the description of the file types next to each file. Also includes a 'version string' to allow a DOS 2.0 VERSION command to read. This is version 2.1 an update to the version on disk 358. Assembler source included. Author: Jim Butterfield FF504, FF358

**ViewerA** very small program for displaying IFF pictures of any resolution. This one is written in assembly code and is only 988 bytes long. Binary only. Author: Mike McKittrick FF199

**Viewer**Displays IFF pictures fast! Version 1.0. Includes

source in EZAsm. Author: Joe Siebenmann FF484

**ViewIcon** Simple program to view icons from the shell. Opens up a sufficiently sized window so that the icon can be displayed in it. If you click the icon, it has the same effect as clicking it on the workbench, so you can see the icon's alternate image. Version 1.0, binary only. Author: Robert Lang FF717

**ViewILBM** Reads an ILBM file and displays as a screen/ window until closed. Handles normal and HAM ILBM's. Author: Based on ShowILBM, enhanced by Carolyn Schepner FF 72, FF44

**Viewtek** A feature packed Picture/Animation Viewer. Shows most ILBM's (including 24-bit ILBM's), most Compuserve GIF format images, most JFIF format JPEG images and most ANIM Op-5 format animations, with support for different palettes for each frame. Supports SHAM, CTBL, and PCHG images, full support of ECS/AGA display modes (ie. show 256 color GIF's directly, show 800x600 HAM animations, etc.). Supports viewing contents of clipboard. Iconifies to a Workbench Applcon. Includes a version written for GVP's Impact Vision 24, to support true 24-bit display. Version 1.02, requires Workbench 2.04+, binary only. Author: Thomas Kreibiel FF787

**Vim** vi Mitlation. A clone of the UNIX text editor 'vi'. Very useful for editing programs and other plain ASCII text. Based on Steve (disk 256) with many enhancements such as multilevel undo command line history improved command line editing full vi compatibility (except O and zn commands) command typeahead display command to display yank buffers unlimited line length ability to edit binary files file name stack support for Manx QuickFix shows current file name in window title etc. Internal storage structures have been redesigned for optimal speed and memory usage. Version 1.14 includes source. Author: Bram Moolenaar et al. FF591

**violin** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Virus Check Dir** Several programs relating to the software virus that came to the US from pirates in Europe as detailed in Amazing Computing V2.12. Bill Koester's full explanation of the virus code is included. One program checks for the software virus on a Workbench disk; the second program checks for the virus in memory, which could infect other disks. AM24

**Virus\_Alert!** Yet another anti-virus program with a twist. Once installed a message is displayed just after a warm or cold boot notifying the user that the disk and memory are virus-free, and forcing a mouse-button press before continuing. Anything writing to the bootblock thereafter will destroy the message and a normal virus- infected boot (???) will take-place. Versions 1.01 and 2.01. Binary only. Author: Foster Hall FF154

**VirusChecker** A virus checker that can check memory, disk bootblocks, and all disk files for signs of most known viruses. Can remember nonstandard bootblocks that you indicate are OK and not bother you about them again. Includes an ARexx port. Version 6.22, an update to version 6.06 on disk 680. Binary only. Author: John Veldthuis FF825, FF680, FF689, FF556

**VirusControl** A new virus detection and control program that checks disks during insertion, protects from link viruses, shows bootblock on a screen, periodically checks system vectors, controls access to files with a requester, etc. V1.3, includes full assembly language source code. Author: Plus Nippen FF211

**VirusHunter** A harmless screen hack. Author: Tobias Eckert FF690

**VirusUtils** Two programs to detect viruses on disk and in memory. Virushunter removes all known viruses in memory. Viruskiller removes all known viruses in memory and after removing the viruses the disks can be checked without the virus copying itself to the disks. Version 3.60, binary only. Author: Pieter van Leuven FF331

**VirusX** Version 4.0 of a popular virus detection/vaccination program. This is an update to FF216. Includes a check for the new Xen0 virus. Author: Steve Tibbett, Dan James, Jim Meyer FF287, FF216, FF175, FF158, FF154, FF137

**VirusZA** virus detector that recognizes over 500 bootblocks (200 boot viruses) and over 95 file viruses. The filechecker can also decompile files for testing. The memory checker removes all known viruses from memory without 'Guru Meditation' and checks memory for viruses regularly. VirusZ has easy to use intuitional menus including keywords for both beginners and experienced users. VirusZ performs a self-test on every startup to prevent link virus infection. Written entirely in assembly language and operates with Kickstart 1.2/1.3, OS 2.0 and OS 3.0. Version 3.00, an update to version 2.27 on disk 786. Shareware, binary only. Author: Georg Hörmann FF820, FF786

**VisaCard** A VISA card in an IFF picture. AM6

**VLabel** A program to print fancy customized disk labels. It will combine an IFF picture and up to 50 lines of text (which may be placed arbitrarily in any font or point size) and then print the result. The IFF picture can be virtually any size (up to 1008 by 1000). It will also print labels from a batch file produced by SuperBase. Version 1.20, binary only. Author: Stephen Vermeulen FF137

**VLT** VLT is both a VT100 emulator and a Tektronix (4014 plus subset of 4105) emulator, currently in use at SLAC (Stanford Linear Accelerator Center). Although the VT100 part was originally based on Dave Wecker et al.'s VT100, many enhancements were made. Features include use of ARP, an ARexx port, XMODEM 1K/CRC and Kermit protocols, support for additional serial ports, external file transfer protocols (XPR), a 'chat' mode, scrollbar/ review/history buffer. It comes in two versions, one with Tektronix emulation, and one without. The Tektronix emulation allows saving IFF files, PostScript files, and printing bitmaps to the printer. This is version 5.517, an update to version 5.045 on disk 468. Binary only. Author:

# Freely Redistributable Software

**Willy Langeveld** FF668, FF468, FF455, FF410, FF308, FF257, FF245, FF226, FF202

**VLTimer** A clock/timer window that sticks on the VLT screen (or on the WorkBench if VLT is not running or opened on the WorkBench) to check connection times (and costs). Version 1.02, includes source (SAS-C); Author: Maurizio Loreti FF539

**VMB** Demo version of VIDEO MUSIC BOX, a program designed to provide an easy to learn and use facility that non-musicians or beginning musicians can use to compose original background music for their Amiga multimedia productions. No prior music compositional knowledge is required to generate basic musical styles from pre-arranged music pattern templates and chord progressions. Individuals having increased musical backgrounds can use the many included editors to define new chord-types, 'voice' chords, create new chord progressions, perform basic sequence editing, and create additional pattern templates. Supports both MIDI Format 0 and IFF SMUS music file formats for compatibility with all multimedia authoring programs. Version 1.6, second major upgrade to version 1.0 on disk number 660. This new version is AmigaDOS 2 compatible, allows unlimited pattern generation in a single sequence, has improved musical dynamics, and expanded MIDI. Requires 1 Meg. Author: D.T. Strohbeen FF772, FF680

**VMK** What this program is its ability to detect new viruses as they come along. Simple quick easy way to stay virus free. Tiny quick and very intelligent memory detector/killer for your startup-sequence. This is V1.10 an update to version 1.0 on disk 510. Binary only. Author: Chris Hames FF568, FF510

**VMore** A shareware program, submitted by the author, that is a 'more' like text file viewing utility that can be run on multiple files from either the WorkBench or the CLI. Version 1.00, includes source. Author: Stephen Vermeulen FF85

**Vnews** A simple news file reader, that will read all the news files in a specified directory, optionally starting with a specified file. Includes source. Author: Stephen Vermeulen FF85

**VoiceBoy** A small WorkBench utility which allows you to use DX7 voice libraries produced by both Smart-ED DX7 and Music-X. Also contains a voice library drawer with a total of 64 voices for you to try out. This is version 1.1, binary only. Author: William Adjei FF708

**VoiceCode** This file contains complete documentation for voice.library (Ver 6.4), the public domain Amiga library of voice recognition functions for the Perfect Sound 3, Sound Master (Sound Magic) and Generic audio digitizers. Included are descriptions of the functions that will allow your program to learn and recognize spoken words through your 8 bit audio digitizer. Also included are code examples in C and assembly language. Author: Richard Horne and David Benn FF807

**VoiceDemo** Illustrates the programming techniques required to use the voice.library to teach your Amiga to learn and recognize spoken voice commands. A simple program that will teach your Amiga to recognize and repeat back to you the spoken words 'Peter ... Piper ... Picked ... A Peck Of ... Pickled Peppers.' Include example source. Author: Richard Horne FF618

**VoiceEditor** A tool to edit, save, load, and convert instruments of Roland D-20 Synthesizers (and compatibles, like D-10) via MIDI. You can convert instruments into Music-X systems, save and load voicelumps and edit the system areas of your D-20. Req. library and midi.library are used and included. V2.0, binary only. Author: Andre Wilms FF748

**VoiceFilter** Voice filter program for Yamaha DX series synthesizers. Voices are transferred to and from the Amiga over MIDI. Author: Jack Deckard FF98

**Vortex** A universal accessed character converter for Amiga, IBM-PC, Macintosh, and C64 files written in most west European languages (Danish, Finnish, French, German, Italian, Icelandic, Norwegian, Spanish, Swedish, and more. Works with either ASCII or Word Perfect files. Version 1.5, includes source. Author: Michel Laliberte FF454

**VPG** Video pattern generator for aligning monitors. Executable program and documentation. AM18

**VPortPatch** A very small 2.04-only utility that patches the graphics.library function MakeVPort() in such a way to avoid an annoying bug that keeps multipalette pictures from being correctly scrolled (multipalette pictures contain the new PCHG chunk which specifies line-by-line palette changes; hundreds of colors can be displayed even in hires with multitasking and full system compatibility). Includes source. Author: Sebastiano Vigna FF779

**VRTest** Another anti-virus utility that allows visual inspection of RAM starting a \$7E7FE, RAM cleaning, bootblock inspection and vector monitoring/resetting. Written entirely in assembly language. Version 3.2, binary only. Author: Babar Khan FF161

**VS2PR** Converts files to and from VideoScape 3D and PageRender 3D. It preserves and matches colors as closely as possible, and retains surface detail polygons from VideoScape. Good for Video Toaster owners looking for the more mathematical 3D objects that PageRender generates so well. Other features include scaling, batch processing, and a QuickRender module that lets you preview the 3D objects in wireframe. This is version 1.0, binary only. Author: Syd Bolton FF642

**VScreen** Allows you to have screens that are larger than the actual display area of your monitor. These larger 'virtual screens' scroll when you move the mouse off the edge of the visible section of the screen. Currently does not work under AmigaDOS 2.0. Includes source. Author: Davide Cervone FF494

**VSnap** This is an enhanced version of Snap 1.3, submitted by Steve Vermeulen, which adds the ability to save clipped graphics as IFF FORM ILBM's to the clipboard, so they

can be imported to other programs that understand IFF and the clipboard. Dubbed it VSnap, since the official 1.4 Snap is also included on this disk. Includes source. By: Mikael Karlsson, enhancements by Steve Vermeulen FF326

**vsprite** VSprite example C code from Commodore, S-E-D. AM12

**VSprites** VSprite example from Rob's book 'Programmers' Guide To The Amiga' Produces 28 VSprites on screen simultaneously, using only three distinct sets of colors. Includes source. Author: Rob Peck FF61

**Vsprites** A working vsprite example. Author: Eric Cotton FF55

**Vt100** A vt100 emulator for the Amiga, which also supports various file transfer protocols like kermi, xmodem, ymodem, zmodem, etc, has an Arexx port, can use custom external protocol modules, and more. This is version 2.9a. Includes source. Author: Dave Wecker, Tony Sumrall, Frank Anthes, and Chuck Forsberg FF330, FF275, FF138, FF114, FF55, FF47, FF41, FF36, FF31, FF29, AM17

**Vtek V2.3.1** Tektronix graphics terminal emulator based on the VT-100 prog. V2.3 and contains latest 'arc' file compression. AM17

**Vtest** A simple example how to test if the AMIGA is infected by a Virus. It simply checks some vectors in the Exec Base structure and some library routines like DoLO. Version 1.0, includes source. Author: Frank Enderle FF533

**Vttest** Program to test compatibility of vt100-compatible terminals and terminal emulators. Requires the resources of a UNIX system to test an Amiga hosted vt100 emulator. (I haven't yet found one that even comes close to passing this test). Author: Per Lindberg FF35

**VU** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**WackCmds** Text tips on using Wack. AM2

**walling** guitar Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**WaitAnyKey** A CLI command which will wait until the user presses any key. Useful for batch files, to pause until any key is struck. Version 1.00, includes source in assembly. Author: Roger Fischlin FF437

**WalkingMan** A small screen hack that makes a variable number funny men appear on the WorkBenchScreen and CustomScreens. They move depending on the graphics shown and changing graphics will be noticed by them. Includes source. Author: Jan P. Katz FF706

**Wanderer** A neat little game with graphics and sound, ported from the Unix version, originally written on a Sun workstation. The idea for Wanderer came from games such as Boulderdash, Xor, and the Repton games from Superior Software. Includes a builtin editor for extending the game by adding additional screens. V2.2, includes source. Author: Steven Shipway and others. Amiga port by Alan Bland FF216

**Wangle** Very addictive 'sliding-block' single player strategy game. The object is to group four smaller squares of the same color together in such a way as to form a larger square. Once started in a direction, blocks slide until they hit another block, a wall, or in some cases, fall through the floor! Includes 50 levels and a level editor. Binary only. Author: Peter Händel FF773

**Warp Speed** A program that will present you with an animated view out the window at a vehicle moving at 'Warp Speed'. This program was developed as a C language learning tool by the author. Version 1.0 includes all source. Author: Doug Peterscak FF557

**WarpText** Fast text rendering routines, to be linked with application programs. Reported to be able to display text as fast or faster than, 'blitz'. This is an update to the version released on FF 87. Version 2.0, includes source. Author: Bill Kelly FF96, FF87

**WarpUtil** Warp (version 1.11), UnWarp (version 1.0), and WarpSplit (version 1.1). Warp reads raw filesystems and archives them into a compressed version in a normal file. UnWarp turns them back into filesystems. WarpSplit splits them up into smaller pieces on a track by track basis. Binary only. Author: SDS Software FF243

**Warranger** Sends a window, identified by its name, to the front or to the back, without selecting it. Useful in conjunction with AmiCron. Works on all screens. Includes source in assembler. Author: Heiko Rath FF139

**Wasp** A picture format converter. Input formats supported include GIF (87a), IFF (lores, hires, HAM, EHB, 24-bit, sliced, dynamic, etc), SRGR, Sun rasterfile, PPM (P5 and P6), HL2, and MTV. Output formats supported include IFF, SRGR, and PPM. Version 2.02beta. Includes source. Author: Steven Reiz FF716

**WatchMan** A little screen hack inspired by 'EyeCon' on Sun systems. Includes source. Author: Jonas Petersson FF283

**WatchStack** A program that monitors the stack of any selected task or process 50 (PAL)/60 (NTSC) times per second and reports the allocated stack, maximum stack usage and current stack used. This program is a clone to StackWatch, disk 494, but improved a little bit. Requires AmigaOS 2.0. Version 2.02, binary only. Author: Brian Ipsen FF818

**water drip** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**WaveBench** This is Bryce Nesbitt's Badge Killer Demo Contest entry. It is a neat screen hack, and runs on 512K machines. For more laughs, try in conjunction with Viacom or Ds (Dropshadow). Includes source. Author: Bryce Nesbitt FF112

**Waveform** Jim Shields' Waveform Workshop in AmigaBASIC. In C source code and documentation. AM19

**WaveMaker** Realtime waveform generator using Intuition slider gadgets. Allows sounds to be created with a maximum of 8 harmonics. Version 0.9 binary only. Author: Laurence Vanhelsuwe FF626

**WaveMaker** WaveMaker is intended to give beginning music

and physics students a 'hands on' feel for how complex waves are made by adding a harmonic series of sine waves. A fundamental and up to seven harmonics are available. The resulting waveform can be displayed on the screen or played on the audio device using the keyboard like a piano. A game mode is also provided. Version 1.2, an update to version 1.1 on disk 318, with several bugs fixed, more efficient code, and a new display option. Includes source. Author: Thomas Meyer FF481, FF318

**WBase** A handy database which stays as a small window on your Workbench screen and supports PowerPacked files, even crunching them itself. It also allows you to run programs from it. This is version 1.2, binary only. Author: Simon Dick FF653

**WBAssign** A small WorkBench program that creates AmigaDOS assignments without having to open a CLI. Assignments may be made by specifying a complete path (as supported by the CLI command), or by specifying a path relative to the current directory. This allows a program and its assigns to be moved easily. In addition, WBAssign can create assigns specified in the icon files of other programs located anywhere in the system. This is version 1.20, binary only. Author: John Gerlach JF FF277

**WBColors** A simple little program to change the WorkBench colors to a predetermined color set, for programs that expect to be booted off their distribution disk but instead are run from a hard disk. Includes source. Author: Stefan Lindahl FF121

**WBD** Possibly the smallest utility to set the workbench screen to any depth. Includes source in C. By: Oliver Wagner FF346

**WBDepth** CLI program that allows you to change the number of bitplanes for the WB screen on the fly. Very useful for A500 and A2000 users with kickstart in ROM. Binary only. Author: Andry Rachmat FF175

**WBDualPF** An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual. Fixed version of copy released on FF41. Includes source. Author: Jim Mackraz FF87

**WBdump** JX-80 optimized workbench printer that does not use DumpRPort. Much more efficient than the Amiga JX-80 driver for fullscreen dumps Includes source. Author: John Hodgson FF58

**WBGauge** A utility to patch AmigaOS 2.0 to bring back the little gauge in the left border of disk windows showing the ratio of available space on the disk. Version 1.2 an update to version 1.0 on disk 417. Binary only. Author: Jean-Michel Forgeas FF551, FF417

**WBGenie** WBGenie is a WB-program launcher with a difference. It is intended to be a WB interface to a set of WB programs (which the author is in the process of writing) to make performing housekeeping chores on the Amiga simple. WBGenie is a WB2.x only program and is a commodity. It makes use of appcons and appwindows. Includes some sample code to demonstrate how to write a tool type array without affecting existing tool types. Version 1.02, binary only. Author: Steven Velletri FF834

**WBLander** This entry from the Badge Killer Demo Contest is a special version of the WBLander program from FF 100. The ending is unique. Also uses sound effectively. Includes source. Authors: Peter da Silva and Karl Lehenbauer FF114, FF100

**WBLink** WBLink adds an 'Appcon' to the Workbench 2.0 screen that creates a link to whatever file or directory is dragged on top of it. This version fixes some bugs and lets the user specify where the icon will be placed. Version 1.10, an update to version 1.00 on disk 546. Includes source. Author: Dave Schreiber FF654, FF546

**WBPat** Creates random 3D patterns for your 2.04 WorkBench windows. A pattern can be shifted or changed, tested, used and saved. Version 1.0, includes source in C. Author: Ekke Verheul FF792

**WBPlc** Replaces Workbench's color 0 with an IFF hires non-interlaced picture, in 2 or 4 colors. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**WBplane** Two very small tools to change the depth of the WorkBench screen. AddWBplane adds a bitplane. SubWBplane subtracts a bitplane. Both can be run from both CLI and WorkBench. This is version 1.0. Includes source in assembler. Author: Preben Nielsen FF543

**WBRes** A program that allows WorkBench users to have resident programs, as in the resident capability of WShell, the ARP shell, and the WB1.3 Shell. Version 1.2b, shareware, binary only. Author: John Bickers FF277

**WBRun** A RunBack style program which uses parm.library. Runs programs in WorkBench mode from any CLI. Programs are fully detached. The program you run must support WorkBench startup. Includes source in C. Versions 1.3 and 2.0. Author: Sylvain Rougier and Pierre Carrette FF843, FF540

**WBrun** A program designed to allow any program to be invoked from CLI yet behave as if it were invoked from Workbench. Workbench need not be loaded, thus saving the memory that Workbench would normally use. Author: JohnToebes FF43

**WBShadow** A small program that creates a shadow for everything that's displayed on your WorkBench (Windows, Icons, Gadgets, Menus, Texts, etc). V 1.0, Source in Modula-II. Author: Fridtjof Siebert FF253

**WBStart** WBStart is a package to emulate the WorkBench startup procedure, by loading a program, creating a process for it, and then sending it a WB startup message. Includes a handler process which does the starting of the processes for you and then waits for the startup reply messages. Version 1.2, an update to version 1.0 on disk number 572. Includes source. Author: Stefan Becker FF757, FF572

**WBVerlauf** Allows the owners of AGA machines to create a nice Copper background for a selectable color, using the whole 16 million color range of the AGA chips. By specifying the color of the first and the last line of the

## Table of Contents

### How To Use This Guide

### Graphic Arts

### Desktop Video

### Word Processing

### Desktop Publishing

### Music

### Education

### Business & Home Productivity

### Programming

### Utilities

### Entertainment

### Miscellaneous Software

### Drives

### Memory Expansion

### Video Toaster

### Video Hardware

### Accelerators

### Miscellaneous Hardware

### CDTV

### Accessories & Services

### Books & Tapes

### Freely Redistributable Software(FRS)

### Cat Fish FRS Index

### Fred Fish FRS Index

### AMICUS FRS Index

### AC's Back Issue Index

### Vendor/Product Registration

### User's Groups

### Index of Advertisers

### Vendor Information

### Product Index by Product

### Product Index by Vendor

### Category Index

### Last Minute Additions

# Freely Redistributable Software

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

screen, WBVerlauf will make a smooth color change by setting a new color value on every scanline. Requires Kickstart 3.0. Version 1.4, binary only. Author: Christian A. Weber FF781

**WcA** 'word count' program, ala UNIX's wc, that is faster because it doesn't count what you don't ask for, plus some other improvements. Includes source. Author: Steve Summit FF69

**WCommA** commodity which enables the user to manipulate windows with 43 user definable hotkey commands. You can move, size, resize, set to prefs, zoom, exclude, include, close tile cascading, and kill windows. You can cycle screens. WComm also has a title clock, a palette window (with up to 256 colours), a popup shell, and a notify system, which can inform you about any important event and date, such as the birthdays of your friends, etc. You may also automatically start any command, a backup for example, at specific intervals. WComm is controlled by some configuration files and can be handled by the use of the several asynchronous windows. Requires AmigaDOS 2.04 or higher. This is version 1.80, freeware, binary only. Author: Hans-Peter Guenther FF825

**WControl** A printer style controller which stays on the Workbench screen and allows you to change your printers styles, it works through whatever printer driver you have and so works with all printers. This is version 1.0, binary only. Author: Simon Dick FF653

**Webster** The dictionary page in an IFF picture. AM7

**weird** A program written in AmigaBASIC that makes strange sounds. AM11

**WFile** Small but useful tool to interchange ASCII files between different operating systems. Converts foreign symbols and adapts linefeed codes. Can also be used to expand tabs to multiple spaces or vice versa. It has builtin templates for interchange between Amiga, MS-DOS, OS/2 and UNIX systems. Profiles can be used for common adaptations. The new version contains new templates and the memory management system has been revised and optimized. Version 1.32, an update to version 1.11 on disk 536. Includes source in C. Author: Joerg Fenin FF776, FF536

**WFrags** Another version of Frags, but this one pops up a nice little window that updates occasionally. Necessary for developers who wonder what their program is doing to memory, or wonder why they can't load that program. Includes source. Author: Tomas Roklicki FF131

**Wharves** HIRES BW tail ships in port FF72

**WhatIs** A neat little utility which not only recognizes a wide variety of file types (executables, IFF, icons, zoo files, etc), but prints interesting information about the structure or contents of the recognized file types, such as what libraries, devices, resources, fonts, etc. a program uses. This is version 2.0, an update to version 1.2a on disk 334, and is for AmigaDOS 2.0 only. Binary only. Author: Jorrit Tybergheim FF417, FF334

**WhatIs** WhatIs.library can detect file types and is fully paramatable by an ascii file. You can describe file types and they will be recognized by the library. A few tools are also included. Author: Sylvain Rougier and Pierre Carrette FF843

**Wheel** Nice little 'Wheel of Fortune' type game, written in AmigaBASIC. Author: Hari Wiguna FF67

**WheelChairSimA** wheelchair simulator developed as a project for the Technical Resource Centre and the Albert Children's Hospital, to allow the matching of a wheelchair joystick to a child's handicap and allow the child to practice using the chair in a safe (simulated) environment. Binary only. Author: Unknown, submitted by Dr. Mike Smith FF139

**wheels** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Whence** Whence will locate any program/file in your current path. Similar to the UNIX whence command. Version 1.0, binary only. Author: George Kerber FF432

**WhereIs** Program which searches a disk for the first or multiple occurrences of a file with a given name. Author: Steve Poling FF45

**WhereIs** Another 'find-that-file' utility. WhereIs searches on your (hard-)disk for a file(name) and displays the path to that file. Some features are case independent search, wildcards, interactive mode (cd implemented), can display size and date of files, always abortable, can archive filenames for 'ZOO' (like fnams/recurd), and no recursive procedures. Includes source in C. Version 1.18 (2-15-90). Author: Roland Bless FF321

**whereIs.c** Find a file searching all subdirectories. C program. AM5

**WhichFont.c** Loads and displays all available system fonts pro-cess.i and ptrbase.i assembler include files. C program. AM4, AM1

**whistle.** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**WhiteLionA** new Othello (Reversi) playing program. Strong and fast, it explains the rules and plays different strategies depending on the selected level. Supports interLaced resolutions. Version 1.2\_FD, english and german executables. ShareWare, C sources and special version available when registering. Author: Martin Grote FF811

**Who** A rewrite of 'who', from FF79, which gives substantially more elaborate information about the tasks currently running (or waiting) on your Amiga. Includes source. Author: George Musser, rewrite by Paul Kienitz FF224, FF79

**Why** replace your AmigaDOS CLI Why AM24

**Wicon** A 'Window Iconifier'. Allows you to turn your windows into small icons which can be later recalled. Currently installed with MacWin to give your windows a 'rubber-banding' effect. Version 1.14, Includes source. Author: Steven Sweeting Introducing the Amiga FF154

**wiconify** A program, and number of companion utilities, that allow you to iconify windows on any screen, including custom screens. Iconified windows become small icons on the bottom of the screen, and they can be opened again by double-clicking them. Also allows any screen to become a shared, WorkBench-like screen, and gives you the ability to create new screens specifically for this purpose. Each window can have its own custom icon. There is a programmers interface to allow programs to control their own icons. Version 3.8, includes source. Author: Davide Cervone FF500

**Wid** Two versions of UNIX shell style wildcard matching routines. Author: Rich Saizand Fred Fish FF43

**WildStar** Toggles the RNF\_WildStar bit in the DOS library root node which allows AmigaDOS to use the '\*' character as a true wildcard which is mostly plug compatible with 'W?'. Version 1.2 includes source in assembly. Author: Ken Simpson FF611

**Win2Front** A simple, small and pure utility similar to Shell2Front on disk number 741. This program adds the ability to specify the name of the window to be brought to the front. Version 0.21, binary only. Author: Gérard Cornu FF754

**Window** Sample program which shows how to create a DOS window in a custom screen. Author: Andy Finkel FF38

**WindowShuffle** Activates and brings to front next or previous window with hotkeys. Hotkeys can be changed. Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sicht FF497

**WindowTiler** A WB2.0 commodity for arranging windows. Comes with many tool types to help customize it. Supports virtual screen users, tiling, cascading, refusing windows & screens, exploding windows, etc. This is version 2.1b, an update to version 1.2.1 on disk 623, with many enhancements and bug fixes. Binary only. Author: Doug Dyer FF696, FF623, FF583

**Windowtool** Windowtool is a program that allows you to switch between windows, to close them and to change their size. You can also open a new shell and stop multitasking. The program is a standard commodity and can be controlled by the work-bench exchange program. Version 1.0, includes source. Author: Klaas Hermanns FF711

**WinMan** A very simple utility to manipulate windows. It adds some menus to the workbench, which you can use to shrink, maximize, tile or cascade your windows. AmigaDOS 2.0 only. Version 1.0, includes source. Author: Jorrit Tybergheim FF420

**WinSize** CLI window utility resizes current window. In C source code, executable program, and documentation. AM19

**WireDemo** Matt's entry for the Badge Killer Demo Contest. Demonstrates the Amiga's line drawing speed. Runs on a 512K Amiga. Includes source. Author: Matt Dillon FF118

**WithingHour** A game, AmigaBASIC Program. AM3

**With** CLI command that allows you to start any other CLI command several times and give it all the files that match a file pattern as an argument, one at a time. V 1.0, Modula-II Source. By: Fridtjof Siebert FF253

**WizardClock** A workbench clock with many features and various languages. Version 1.30 an update to version 1.20 on disk 584 (Wizard-Works 2). Freeware. Binary only.

Author: Stefan Zeiger FF636, FF584

**WizardFiler** This nice file requester is an enhanced version of Anders Bjerin's 'FileWindow' from disk 337. It is very comfortable and as nice WB2.0 design. Version 1.01. Source code in C included. Public Domain. Author: Stefan Zeiger Anders Bjerin FF584

**WizardsInfo** General information about the Wizard Disk 3 from which this material was included. Author: Stefan Zeiger FF636

**WizKey** A commodity that speeds up working with windows and screens via allowing the user to manipulate them via keyboard instead of mouse. Anything you can do with system gadgets becomes accessible via keyboard. Popup windowlist allows activation of any window by keyboard or mouse. Configurable Hotkey def-initions and a complete ARExx port. Shareware, binary only. Author: Jörg von Frantzius FF745

**wKeysA** 'hot-keys' program that binds keyboard function keys to window manipulation functions (window activation, front to back, moving screens, etc). Includes source. Author: Davide Cervone FF128

**WKSC** Workbench Keyboard Shortcut Changer is a program which allows you to add or change keyboard shortcuts used for the Work-bench menus. WKSC works on Workbench 1.2, 1.3 and 2.0. This is version 1.0, binary only. Author: Gary Smith FF739

**WO** An intuition-based address book that allows saving of data in notation or password-encoded form. Version 1.0, includes partial source, (password encoding routines not included). Author: Heinzelmann FF363

**Woman&Pencil** Famous IFF image of a woman holding a pencil (seen in early Digi-View™ advertisements). AM7

**Wombat** Yet another terminal emulation program. Version 3.01. Has user set table cursor, programmable function keys, vt-102 emulation, auto-dialing, loadable settings files, and more! Author: Dave Warker FF50

**WonderSound** Wondersound is an additive harmonic instrument design tool with a separate envelope design window and 16 relative harmonic strength and phase angle controls. Version 1.7, an update to version 1.6 on disk 428. Binary only. Author: Jeffrey Harrington FF449, FF428, FF407

**WordPuzzle** The object of this game is to find a word in a puzzle arrangement. There are three different variations of the game. Version 1.1, includes source in BASIC. Author: Russell Mason FF469

**WordSearch** This is an automated wordsearch generator. Words orienta- tion can be limited to any subset of the

eight primary directions and the puzzle can be rotated or flipped. It has a spartan but functional user interface highlighted by the req.library. The system default font under WB 2.0 is supported for the puzzle display window. Version 1.0, includes source in C. Author: Craig Lever FF498

**World** A text adventure game similar to the Infocom adventures of Planetfall and Starcross. Quite large with a tremendous variety of responses. V1.02, includes source. By Doug McDonald, Amiga port by Eric Kennedy FF184

**WorldDataBank** Using a database of coordinates compiled by the CIA and made available under the Freedom of Information Act this program plots world maps in cylindrical or spherical projections with various degrees of magnification. This is version 2.2 an update to version 2.0 on disk 262 and now includes the largest available data file for detailed mapping of even small sections of the globe. Includes source. Author: The CIA Bob Dufford Mike Groshart FF580, FF262

**WorldMap** A world map in an IFF picture. AM6

**WorldMapAn** AmigaBASIC program which draws a map of the world. AM9

**WorldTime** A clock that can show you the time in any city in the world. The times are calculated automatically using data supplied by the user. Rewritten to take advantages of features available under Kickstart 2, and thus will not run under 1.2 or 1.3 anymore. A commodity that can be run from the workbench or CLI Version 2.1, an update to version 1.31 on disk number 583, binary only. Author: Jonathan Potter FF758, FF583

**Worm** An Amiga implementation of the classic 'worms' program, based on an article in the Dec 1987 issue of Scientific American. You can specify the size and length of the worms, and the number of worms. Includes source. Author: Brad Taylor, Amiga port by Chuck McNam FF218

**Wrap** A program to wrap a Sculpt-Animate 4D image around a sphere or cylinder. You can even use relieved surfaces to construct planetary objects or other textured shapes. Version 1.32, shareware, binary only. Author: Martin Koistinen FF414

**Wreq** Replace 'pop-up' requestors with line-oriented requestors (similar to those found in an MS-DOS environment) that can be easily handled from the keyboard. If there is no interactive console for the process, the requester won't appear. Includes assembly source. Author: Tuomo Mickelsson FF387

**Writeln** Sample code that creates an icon using a compiled-in image, the source of which can be created with Icon2C on FF56. Version 1.0, includes source in C. Author: Dan Burris FF297

**Writing Faster Assembly:** Continuing the discussion of speeding up programs. Author: Martin F. Combs AC13

**WTF** WTF (Window To Front) is a little hack which brings a window to the front when double-clicked. Includes source. Author: Thomas Albers FF416

**WWBatch** Two batchfiles that residents/copies to RAM: the commands used by ! Wizard Works ! program startup batch files. Author: Carsten Rautfuß FF636

**X-Spell** A spelling checker to proofread text files and then allow you to move through the document, deciding what to do with the misspelled words. Suggested \$15 donation. Author: Hayes Haugen FF40

**X2X** Cross converts between Motorola/Intel/Tektronix ASCII-hex files. These files are typically used for down-line-loading into EPROMs, or for transmission where binary files cause chaos. Handles S1, S2, S3, INTEL (inc USBa records), Tektronix (inc extended). Source included. Author: Gary Duncan. FF345

**XBoot** A very simple utility to convert a boot block into an executable file so you can use your favorite debugger (Wack, Dis, etc.) to study it. Includes source. Author: Francois Rouaix FF161

**XColor** A program designed to change the colors of any screen. You can also add and subtract bitplanes in the screen, or convert the screen to black and white (grayscale). Handles HAM and EHB screens. Version 1.2, includes source in assembly code. Author: Roger Fischlin FF244

**XColor-Lib** Link library with a full-fledged color requester along with several color functions like copy, spread, exchange, antique black & white, etc. to aid in creating your own custom color requestors. Contains several demos along with include files for C, AmigaBasic, DevPac Assembler and KickPascal. Author: Roger Fischlin FF361

**XCOPY** A replacement for the AmigaDOS copy command. Preserves the file date, provides an 'update only' option, and uses UNIX type wildcards. Binary only. Author: Lee Robertson FF74

**XDME** Version 1.54 of Matt's text editor. XDME is a 'not-so-simple' WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, FAST scrolling, title-line statistics, multiple windows, and ability to iconify windows. This new version has some bug fixes, many new commands and several other new enhancements. Update to version 1.45 on disk number 530, includes source. Author: Matt Dillon, Enhanced by Aaron Digulla FF776

**Xebec** A couple of hacks to make life easier for those who have Xebec hard disks. One makes it more possible to Mount a Xebec hard disk with the Fast File System, the other is a compact head parking program. Includes source. Author: Paul Kienitz FF224

**XEM** Sample code and documentation how to create and interface to external terminal emulation libraries as supported by terminal programs such as LR-Comm, 'term' and X-Comm. This is version 2.0 and includes sample library and sample interface source code in 'C' and assembly language. Author: Ueli Kaufmann FF834

**xenos** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used.

# Freely Redistributable Software

The program on AMICUS 1 is in ABASIC FF13, AM1

**XenoZap** A program that recursively descends into directories, disabling the Xeno virus in all executable files that it finds. Version 1.0, includes source in Modula-2. Author: Kevin Kelm FF300

**XfrmReview** Text list of Transformer programs that work. AM9

**XHair** Replaces the mouse pointer with a screen wide crosshair, which is useful for positioning things vertically or horizontally. V1.0, includes source in Modula-II. By Fridtjof Siebert FF234

**Xicon** Xicon lets you use icons to call up scripts containing CLI commands. V2.5, an update to FF157. New features include automatic selection of the correct execution directory, the option to have keyboard interaction, and the use of IF, ELSE, etc DOS commands. Binary only. Author: Pete Goodeve FF290, FF157, FF102, FF31

**XI** Demo version of a single bit-plane cel animation generator. Uses an onion-skin display to rough in an animation sequence. Has a large AREXX command set, multiple precision bezier curves and splines, scalable and rotatable polygons, brush support with blitter logic, turtle graphics and macro key definitions. Requires req library (Fox/Dawson). Non-saving demo version, binary only. Author: Martin C. Kees FF516

**XlispSmall** lisp type interpreter, binary only (source to older version was on disk #18). Version 1.7. Author: Dave Betz FF39, FF18, FF3

**XlispStat** A statistical program based on David Betz' Xlisp. It does some of the most advanced dynamic statistical graphics, including brushing, linking, and 3D rotations. Menus and requestors can be created dynamically with simple lisp commands, and treated as lisp objects, so that the program could be used for many other non-statistical purposes, such as interactive expert systems. Xlisp-Stat has an AREXX port so that an editor may be used to prepare lisp programs and send them directly to Xlisp-Stat to be executed. Commands, as character strings, may also be sent from Xlisp-Stat with the lisp command, 'arexx'. All graphics produced may be saved to files in IFFformat. This version of Xlisp-Stat (v.2.1, release 1) has been ported to the Amiga by James Lindsey, from the Mac version supplied by Luke Tierney. Requires a numerical coprocessor (M68881/M68882) and an M68020/M68030 processor. Disk 385 contains the executables, manual, and lisp files. The sources can be found on disk 386. Author: David Betz, Luke Tierney, James Lindsey FF385&386

**xmodem** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**XNote** Execute a filenote. It looks a little like the Project icon of the Workbench, but this time in the CLI. Version 1.0, includes source. Author: D. W. Reisig FF663

**Xnum** A useful CLI conversion utility that takes a decimal, binary, octal or hex number as input and displays the number in all four formats. Binary only. Author: Oliver Ensling FF379

**Xoper** Very comprehensive program to monitor and control system activity. Monitor cpu, memory usage, ports, interrupts, devices. Close windows, screens, show loaded fonts or last Guru code number. Clean up memory, flush unused libraries, devices, fonts, etc. and a whole bunch more! Spawns its own process. A very handy background task to have loaded. This is version 2.2. Changes include mostly bug fixes and some minor enhancements. Assembly source included. Author: Werner Gunther FF318, FF274, FF228, FF171

**XPk** An interfacing standard between applications and packer libraries. Any XPk application can handle every XPk packer. Included applications: A (de)compressing file handler, a packing app-icon, command line packers, a LoadSeg() patch, adapted image displayer and movie player, and many more. Also included: 4 packers, 2 very fast encryptors, and some demonstration libraries. Version 2.4, includes developer's application kit. Author: Urban Dominik Mueller, Bryan Ford and others FF754

**Xplor** A program that scans all the system lists that start in ExecBase and prints out their names and addresses at which they start. Includes assembly source. Author: Larry Phillips FF73

**XPRD** eXternal Protocol Driver. A standalone driver utility for doing file transfers with XPR libraries. Has many features like carrier checking and return code redirection (for 'stupid' languages). Includes source in C. Author: Oliver Wagner FF687

**XprKermit** An Amiga shared library which provides Kermit file transfer capability to any XPR-compatible communications program. Supports version 2.0 of the XPR Protocol specification. Version 1.5, includes source. Author: Marco Papa, Stephen Walton FF330

**XprLib** External file transfer protocol library. Document and code example for implementing external file transfer protocols using Amiga shared libraries. This is version 2.0 with many extensions and enhancements. Includes sample XPR library and source. Author: Willy Langeveld FF247, FF240

**XprTransmit** XprTransmit is an CIL-based command that allows you to easily access to any Xpr Library without having to worry about call-back-function et cetera. It is able to access every serial device-like exec-device. Only little documentation. Version 1.0, binary only. Author: Andreas Schildbach FF369

**XprZmodem** An Amiga shared library which provides Zmodem file transfer capability to any XPR-compatible communications program. This is version 2.10, an update to version 2.0 on disk 261. Includes source. Author: Rick Huebner FF459, FF261, FF236

**Xref** A C cross-reference gen., C program in C source code and executable. AM3

**xrf** C cross reference utility. Originally from Decus C distribution. Author: Bob Denny FF2

**XSB** eXternal ScreenBlanker Standard. Documentation and examples of a new library standard for fancy screenblankers. Includes Standard, Shuffle and Psychedelic blankers. Public Domain, source in C is included. OS 2.0 only. Author: Oliver Wagner FF687

**XSearch** A program to search files and directories on any Amiga device. Has options to search for files or directories matching a given name pattern, length, date of last change, iff type, comment, internal strings, and protection bits. Supports the Amiga clipboard. Uses AmigaDOS 2.0 style interface. Includes both German and English versions. Version, 1.1, an update to version 1.0 on disk 724. Includes source in KICKPascal. Author: Stefan Plöschinger FF806, FF724

**XStat** A UUCP utility that computes several statistics from the Xfer-Stat file (similar to UUTra). Offers lots of options. Requires Andrew 'Charly' Kopp's uucico V1.15c or later, and also Kickstart 2.04 (V37.x) or later. Version 1.07, freeware, includes source in Modula-2. Author: Jürgen Weinelt FF714

**XTrash** A constant trashcan implemented as an application icon. Can erase anything: files, directories, trashcans and disks. Disk formatting requires an external formatter. Conforms closely to the AMIGA Style Guide. Requires AMIGA OS 2. Version 1.01, includes source in KICKPascal. Author: Stefan Plöschinger FF807

**YaBoingII** A game program demonstrating hardware sprite usage, including collision detection. + Includes source. Author: Ali Ozer, based on original by Leo Schwab FF136, FF36

**Yacc** This is a port of Berkeley Yacc for the Amiga. This Yacc has been made as compatible as possible with the AT&T Yacc, and is completely public domain. Note that it is NOT the so-called Decus Yacc, which is/was simply a repackaging of the proprietary AT&T Yacc. This is an update to the version on disk 299. Includes source. Author: Bob Corbett et al. FF419, FF299

**Yacht** The famous 5 dice game revised for the Amiga features continually updated onscreen scorepad which displays all possible scores after each roll. Another feature is the player controlled dice roll hit the STOP ROLL gadget when you feel lucky! Version 1.1, binary only. Author: Richard Gallagher FF787

**YachtC3** Update to the Yachtc program on disk #10, contains some fixes and incorporates a simple sound process. Version 3, includes source. Author: Sheldon Leemon, with enhancements by Mark Schrelien FF158, FF10, AM2

**Yalfr** Yet Another IFF Reader. Handles HAM, HIREs, and overscan, includes source. Author: Leo Schwab FF87

**Yak** "Yet Another Kommoditi". Features a sunmouse that only activates when mouse stops, KeyActivate windows, Click windows to front or back, Cycle screens with mouse, Mouse and Screen blanking, Close/Zip/Shrink/Enlarge windows with programmable hotkeys, Activate Workbench by hotkey (to get at menus when WB obscured), Pop up a palette on front screen, Insert data (in various formats), KeyClick with adjustable volume, PopCommand key for starting a command (like PopCLI), Gadttools interface. All settings accessible from Workbench tooltypes. Version 1.2, an update to version 1.0 on disk number 753, has some new features and several bug fixes. Includes source. Author: Martin W. Scott FF782, FF753

**YamEx** A Sytem Exclusive and Voice Librarian program for all Yamaha 4 Operator synthesizers. Works with all 100 voice and 32 voice Yamaha bulk dumps. Binary only. Source code available from author. Author: Chuck Brand FF647

**YAPS** "Yet Another Public Screen Manager". Using YAPS, you can open Public Screens in ALL(!) Amiga-DisplayModes, even in the new A4000/A1200 Modes. Requires OS 2.04 (V37+), works even under OS 3.0 (V39+). Binary only. Author: Karlheinz Klingbeil (CEKASOFT) FF785

**YatZ** One player Yatzee game. This program was written to take up little memory and to multitask nicely. This is version 1.1, an update to version 1.0 on disk 498. Public domain, includes source in C. Author: Greg Pringle FF685, FF498

**Yawn!** A small WorkBench sliding block puzzle to keep your mind and fingers busy while your compiler is busy crunching away on your highly secret, hard earned source code that you hopefully remembered to unscramble first! Features selectable size from 4x4 to 7x7 and European, Hindi or Arabic numerals. Includes source. Author: Lorenz Wiest FF379

**YearPrintQ** Prints a calendar of the year onto four sheets of paper. The GUI adapts itself automatically to the actual system font. With AmigaOS 2.1, a localization also takes place (currently German and French). A configuration file with any holiday or special occasion definitions can be chosen thru file requester or 'drag and drop'. The calendar can be printed on every printer supported from AmigaOS either with IBM graphics or ASCII characters. Version 2.5, requires at least AmigaOS 2.0. Includes source. Author: Dieter Temme FF751

**YoYo** weird zero-gravity yo-yo demo, tracks yo-yo to the mouse, in AmigaBASIC. AM8

**Zc** A full K&R C compiler based on a port of the Atari ST version of the Sozobon-C compiler. Includes the C compiler main pass written by Johann Ruegg with fixes and enhancements by Joe Montgomery and Jeff Lydiatt, a cc front end written by Fred Fish with enhancements by Jeff Lydiatt and Ralph Babel, an optimizer written by Tony Andrews, an assembler written by Brian Anderson and Charlie Gibb, a linker written by the Software Distillery, generic include files, and a C runtime library written by Dale Schumacher and ported by Jeff Lydiatt. This is version 1.01. Author: Various, see documentation. FF314,

FF193

**Zerg** An Ultima clone that takes your character through a simple but deadly fantasy world where you get to slaughter monsters, talk with the inhabitants of fully populated towns, embark on royal quests, purchase a plethora of weapons, cast spells, and otherwise occupy yourself while your computer is engaged in more important business. Version 1.0, binary only. Author: Mike Shapiro FF252

**ZeroVirus** A fully integrated virus checker and killer, with bootblock save and restore features. Finds both bootblock and file based viruses. Uses Brainfiles to recognise viruses, and has on-line Brainfile editing facilities. Can be iconified to Workbench screen. This is version III 1.15, an update to version 2.01 on disk 287. Binary only. Author: Jonathan Potter FF412, FF287, FF242

**ZIPA** program which can interpret and run standard series and interactive fiction plus Infocom game files. Includes sound and proportional font support and other Amiga specific features. Version 1.00, Amiga release 2.2, includes source in 'C'. Author: Mark Howell, Amiga port by Olaf Barthel FF833

**Zippy** A 'Graphical Shell'. Opens a medium-size window and attaches a menu-strip for performing all sort of disk/data manipulations. Features script files allowing you to attach custom menu selections as you move between directories. Also included is an intuition based utility for altering FileInfo data. (filename, filenote, RWED attributes, etc.) Version 2.5, binary only. Author: Michael Weiblen FF175

**ZipWd** ZipWd is a little example code of the new OS 2.xx feature of zipping windows. It does the same thing as clicking on the window's ZipGadget. It's also useful if you define a keyboard macro with ZipWd. Requires AmigaOS 2.xx. Version 0.5, public domain, includes source. Author: Hans-Peter Guenther FF749

**ZMachine** A program which can interpret Zork Implementation Language (ZIL) data files. ZIL is the language used by the interactive fiction series of games from Infocom Inc. Version 1.0.3, binary only. Author: leo@marco.UUCP, Amiga port by Kent Dalton FF716

**Zon** An arcade/adventure game that mixes a unique blend of puzzle solving and arcade adventure. Your mind and your reflexes will both be tested to their limits as you work your way towards your goal, recovering the Rings of Zon. Has 19 levels of action, save/restore your game on any level, stereo digitized soundtracks and sound effects, over 100 objects to discover and explore, up to 300 moving objects on the screen at once, and more. Volume 1, shareware, binary only. Author: George Broussard FF421

**Zoo** A file archiver, much like 'arc' in concept, but different in implementation and user interface details. Version 2.10, an update to version 2.00 on disk 164. New features include greatly improved compression, preservation of full pathnames by default, and extended multi-screen help. Binary only. Author: Rahul Dhesi, Amiga port by Brian Waters FF527, FF164, FF136, FF108, FF87

**Zoo** Another independent port of Zoo version 2.10, this version includes source. Zoo is a file archiver, much like 'arc' in concept, but different in implementation and user interface details. Version 2.10, an update to version 2.00 on disk 164. New features include greatly improved compression, preservation of full pathnames by default, and extended multi-screen help. Includes source. Author: Rahul Dhesi, Amiga port by Olaf Seibert FF753

**Zoom** A fast and efficient floppy disk archiving utility based on the data compression / decompression algorithms used by lh.library. Has an Intuition and a Shell interface, fully supports Kickstart 2.0, is able to add texts and notes to archived output files, knows 274 different bootblock viruses, includes a number of compression parameters (such as encryption of the output file) and a lot more. Version 5.4, update to FF459. Binary only. Author: Olaf 'Olson' Barthel FF682, FF459, FF436

**ZoomBox**: Attaches a zoom box to an Intuition window and allows the user to toggle the window's size and its position. Author: John Leonard AC12

**ZoomDaemon** Adds a 'zoom' gadget to every window that can be resized. Pressing this gadget makes the window as large as possible or as small as possible, or brings it back to its normal size. Version 2.1.3, include source. Author: Davide Cervone FF498

**ZPlot** Graphs formulas based on 4-D complex number planes. ZPlot currently supports the Mandelbrot set, Julia sets, and Phoenix curves, with over 500 mapping variations. The math functions supported include sin(z), sinh(z), z^z, e^z, z^n, sqrt(z), cos(z), cosh(z), tan(z), tanh(z), log(z), ln(z) and n^z. Version 1.3d, binary only. Author: Terry Gintz FF389

**ZScroll** A short program which scrolls ASCII text files in a small window on your Workbench screen. Includes both English and German versions. Version 1.0, includes source. Author: Mark Zeindlinger FF544

**ZShell** A very tiny (13Kb) CIL shell modelled along the lines of CSH, with over 40 internal commands. Some of its features include command line editing, history buffer, aliases, function key aliases, reverse polish calculator, multiple commands on one line, loops, If-Else-EndIf constructs etc. This is version 1.30 and includes assembly source. Author: Paul Hayter FF537

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

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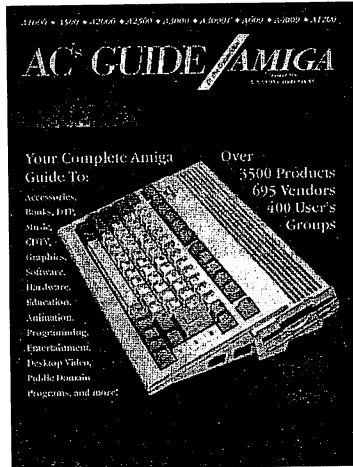
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# CatFish Listing

The following continuing addition to AC's GUIDE to the Commodore Amiga is provided by Dr. Patrick Bailey. The CATFISH directory has been a long time effort of Dr. Bailey and is considered one of the most complete cross-referenced category listings of Mr. Fred Fish's extensive library. This data is also available on disk and is included in the extensive CATFISH Catalog disk described in the Miscellaneous Software, Disk Catalogs, section of this Guide. We include it here with the good graces of both Patrick and Fred to allow our readers to more easily locate the software they need in the freely distributable Amiga public domain library.

This listing is arranged by categories and is organized by the two-level outline shown below. Only the latest version of each file is listed along with its associated Fish disk number. Each file is listed only once, so duplicate file names refer to different operational programs. File names ending in a colon denote that they work with only WB 2.0 or higher. As always, if you find any inaccuracies in this listing, or have any ideas in how we can improve this or any other part of this guide, please write us.

## CatFish Sections

|                            |                           |
|----------------------------|---------------------------|
| <b>BUSINESS:</b>           | <b>CLEO</b>               |
| Financial Accounting       | E                         |
| General Statistics         | Programming Misc.         |
| Legal                      | SPREADSHEETS:             |
| Real Estate                | Spreadsheet Programs      |
| Stock Analyses             | Spreadsheets Misc.        |
| Mailing Lists              | TELECOMMUNICATIONS:       |
| Project Management         | Telecomm. Programs        |
| Business Misc.             | Utility Codes             |
| <b>DATABASES:</b>          | Telephone Books           |
| DataBase Programs          | Bulletin Boards           |
| Relational Databases       | Telecomm. Misc.           |
| Genealogy                  | <b>UTILITIES:</b>         |
| Fred Fish Library          | Display Hacks             |
| Databases Misc.            | Clocks & Timers           |
| <b>DESKTOP PUBLISHING:</b> | Calculators               |
| Page Layouts               | Icons and Pointers        |
| Post Script Drivers        | Fonts                     |
| Printing                   | Dir/File Displays         |
| DT Publishing Misc.        | File Manipulations        |
| <b>EDUCATION:</b>          | Text File Displays        |
| AMIGA Demos.               | Disk Utilities            |
| BADGE Killer Demos.        | General Displays          |
| Children                   | CLI Commands              |
| Adult                      | CLI and CLI Shells        |
| <b>GAMES:</b>              | Tasks & Memory Prgms.     |
| Card Games                 | User Interfaces           |
| Puzzles and Mazes          | Printing                  |
| One Player Games           | Graphics                  |
| Two or More Players        | File Input/Output         |
| Games Misc.                | Benchmarks                |
| <b>GRAPHICS:</b>           | Virus Check & Fixing      |
| Picture Creation           | Arexx                     |
| Picture Displays           | Specific Software         |
| Picture Files              | Color Palettes            |
| Clip Art                   | Boot Block Utilities      |
| CAD-CAM                    | File Compressions         |
| Ray Tracing                | Screens and Windows       |
| Displays                   | IPC                       |
| Graphics Plotting          | Mouse Interfaces          |
| Fractals                   | Postscript Uses           |
| Mandelbrot                 | PAL Specific              |
| Video Applications         | PC Bridgeboard            |
| Utility Programs           | Television                |
| Graphics Misc.             | UNIX Style & Links        |
| <b>ANIMATION:</b>          | Utilities Misc.           |
| Animation Creation         | <b>WORD PROCESSING:</b>   |
| Animation Displays         | W.P. Programs/Editor      |
| Animation Files            | Text Replace Program      |
| Utility Programs           | Spell Checkers/Dicts      |
| Cellular Automata          | Address Books             |
| Animation Demo's           | Calendars                 |
| Animation Misc.            | Outlines                  |
| <b>MUSIC/SOUND:</b>        | Foreign Words             |
| Music Creation             | Word Process. Misc.       |
| Music Players              | <b>SCIENTIFIC APPLS:</b>  |
| Sound Editing              | Algebraic                 |
| Songs                      | Astronomical              |
| Instruments                | Special Calculations      |
| Keyboard Programs          | Data Plotting             |
| MIDI Applications          | Chemistry                 |
| Music Misc.                | Architecture              |
| <b>SPEECH:</b>             | Circuit Analyses          |
| Speech Programs            | Maps                      |
| Speech Demos.              | Satellites                |
| Voice Recognition          | Text Translators          |
| Speech Misc.               | Stereo Images             |
| <b>PROGRAMMING:</b>        | Audio Analyzers           |
| BASIC                      | Controllers               |
| C                          | Scientific Misc.          |
| FORTRAN                    | <b>AMIGA OS MATERIALS</b> |
| FORTH                      | Manuals                   |
| ASSEMBLER                  | Libraries                 |
| MODULA-2                   | KiWare                    |
| LISP                       | AMIGA OS Misc.            |
| PASCAL                     | <b>REFERENCES</b>         |
| APL                        | Religious                 |
| PROLOG                     | Political                 |
| PILOT                      | AIDS                      |
| ADA                        | UFOs                      |
| AMIGA Programming          | References Misc.          |
| COMAL                      | <b>NOT CATALOGED:</b>     |
| DEX                        | General Misc.             |
| GAMBIT                     | Recalled Disks/Files      |

## FRED FISH DISKS 1-850 SUBJECT CROSS-REF. LIST

File Names Ending With  
A Colon are WB 2.X Only

### BUSINESS:

Financial Accounting  
AmiCheck: 490  
Bankn 163  
Bhm 43  
Budget 576  
CheckBook 515  
IRA 304  
NDebt 366  
PennyWise 273  
Supermort 59  
General Statistics  
SiliconSec 626  
TLG 641  
Stock Analyses  
Funds 74  
StockBroker 343  
Mailing Lists  
Addresser 767  
AddressitDEM-798  
Names 122  
Project Management  
AmiGantt 493  
Business Misc.  
RoadRoute 553

### DATABASES:

DataBase Programs  
ADM: 847  
AMaster: 827  
AmigaBase 813  
AmigaWorld 804  
AquaPack 837  
Aquarium 559  
bBaseII 710  
BBase2View: 766  
BonAppetit686  
CardFile 90  
CliAqua 837  
DataBench 820  
DataEasy 526  
DataFiler 721  
DisSecretary 348  
FileISG-Dem- 86  
FileIt 230  
FileStorage 785  
HyperBase 131  
LoranNoteboo-626  
MFF-Demo 89  
MFF-Update 103  
NewAqua 837  
NewFish 837  
PersMait 67  
QBase 98  
QuickFile 820  
ReadmeMaster 390  
SBProDemo 492  
Sdb 33  
SpaceLog 305  
VCR 721  
WBase 653  
Relational Databases  
AnalyRim 593  
AnalyRimSrc 594  
Rim 143  
Genealogy  
A-Gen 702  
Fred Fish Library  
CrlLists 719  
FishCat: 705  
KingFisher 808  
Databases Misc.  
AdvTemplates 431  
FishCat 607  
ISAM 766  
Man 241  
TheWeb: 711  
VideoDat 582  
VideoMaxe637

### DESKTOP PUBLISHING:

### EDUCATION:

### AMIGA Demos.

### AmigaTrek 520

### Cons 5

### Evolution 239

### Gad 1

### Hanoi 54

### Hello 1

### HyperNet 176

### MultiTasking 20

### NeuralNets 160

### ScienceDemos 27

### WheelChairSI-139

### BADGE Killer Demos.

### Alice 212

### AmigaWave 211

### AsteroidFiel-208

### Balloon 272

### BeachBirds112

### Blit 276

### Bounce 127

### Bowl 209

### Brownian 206

### Bully 112

### Car 123

### Charon 198

### Coyote 207

### CPUStandoff 271

### Cucug 213

### Dance 126

### Doctor\_A 268

### DogsWorld212

### ElGato 125

### HagenDemos 112

### HAMmmm 118

### HBHill 126

### Killer 115

### Klide 268

### LaserBoing 271

### Marketroid 115

### Movies 116

### Nemesis 127

### NotBoingAgai-200

### NuHand 210

### OnlyAmiga268

### PeX 206

### PictureGarde-206

### RadBoogie 269

### Ripples 127

### Sentinel 264

### Spigot 272

### Stars 118

### Tank 200

### TooMuch3D 270

### Triple 206

### VAUX-Killer 266

### WaveBench 112

### WBLander 114

### WireDemo 118

### Children

### ChessTutor269

### Counting 722

### Division 721

### MEM 780

### ReflexFinal 793

### ReflexTest 751

### Adult

### DC10 150

### DietAid 179

### Evo 130

### Thai 98

### TypingTutor 434

### GAMES:

### Card Games

### Accordian 403

### BlackJack 427

### Calculation403

### CardsO'Rama 186

### Copper 632

### Family\_Sol 473

### GodsDemo496

### Klondike 740

### Poker Solita-403

### PokerDemo 403

### SeaHaven 260

### SeaHaven Tow-403

### SnakePit 343

### Solitaire 712

### SolitaireX 448

### Spades 485

### Puzzles and Mazes

### Cross 537

### CrossMaze 705

### CryptoKing710

### Dog 647

### Enigmas 367

### If2Pcs 136

### Jumble 262

### Makewords 366

### Maze 248

### NameGame 256

### Nova 647

### Obsess 305

### PhoneWord 366

### PUZZ 362

### Puzzle 32

### PuzzlePro 122

### Pz15 191

### Reader 432

### Running 418

### SunMaze 255

### TownMaze 529

### Unjumble 366

### WordPuzzle 469

### WordSearch: 498

### Yawn! 379

### One Player Games

### Adventure 727

### AirAce 469

### Amastermind 554

### AmigaPunt 272

### AmigaTration 453

### AmiGo 289

### AMines 707

### AmiOmega528

### Amoeba 120

### Aniso 707

### Ashido 655

### ASokoban: 825

### Asteriods 826

### BackGammon 849

### BaldricDemo 657

### Bally 205

### BallyII 221

### BallyIII 232

### BattleForce273

### BeBopDemo 550

### BioRhythm759

### BlackBox 178

### Bomber: 566

### BootGames 537

### BPDI 411

### Brain 652

### BreakOut 50

### Car 336

### Castle 174

### Catacomb 666

### Challenger 622

### Chess 205

### ChinaChallen-444

### Clue 45

### Connex 511

### Conquest 24

### Cos 51

### Cosmo 40

### Cribbage 28

### CRobots 345

### Cube 733

### Cube4 594

### Cycles 78

### Diamonds 660

### Dominos 501

### DoubleSquare-702

### Downhill 425

### DragonCave 395

### Drip 347

### DriveWars 400

### EFJ 259

### EgyptianRun 120

### Emporos 229

### Enigma 516

### EOMS 78

### EquiLog 590

### Euphorion 804

### FiveInLine 163

### Fleuch 760

### FlipIt 512

### Flipper 248

### Galaga 738

### Globulus 449

### GodsDemo496

### HACK 25

### HackLite 799

### HACK\_GAME 62

### Hakkar 655

### HeadGames 425

### Hollywood423

### HOW 595

### Intrepid 665

### JAR 242

### JoeyDemo 714

### KOE2 756

### Labyrinth11 162

### LanderGame 544

### Landmine 554

### LARN 63

# CatFish

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                  |                    |                    |                   |                   |                  |
|------------------|--------------------|--------------------|-------------------|-------------------|------------------|
| Imperium_Rom-362 | ShowPrint 90       | CITAS 475          | Cellular Automata | KawaiiEditor 403  | DICE 491         |
| Ishid-o-mati-664 | SlideMaster274     | CMIDemo 757        | Automata 489      | K1 521            | DMake 440        |
| LordOfHosts 488  | SlideShow 151      | Convert 451        | AutomataTron 249  | K1_Editor 332     | DosDev 113       |
| MCP 481          | SuperView 367      | Fpic 71            | BlitDemons 256    | K4Editor 657      | Dotty 1          |
| MirrorWars235    | TurboGIF 544       | Getsprite 161      | BlitterSand 387   | KIDsoft 199       | DualPlayFicL-41  |
| Monopoly 251     | Vertex 727         | GrabIFF 704        | CELLS 502         | PatchMan 728      | DvorakKeymap 27  |
| Paragon 600      | View 58            | HamLabIDemo 726    | Crud 249          | PrintDump 647     | EdLib 218        |
| Paranoids 250    | Viewer 484         | Iff 10             | CyclicSpace 255   | RolandD110 255    | Elib 87          |
| PointToPoint 702 | ViewILBM 44        | IFFConvert 699     | Demon 303         | RolandS220 255    | EW 286           |
| Revenge 617      | Viewtek: 787       | IffDump 38         | Electron 636      | S220to8SVX 514    | Exception 179    |
| Rothello 600     | Yaiffr 87          | IFFLib 674         | FastLife 608      | TX81Z 598         | ExtFuncProc: 387 |
| ShuffleRun 815   | 2View: 727         | IFFLib 173         | FastLife: 802     | VcEd 647          | FarPrint 325     |
| SlotCars 254     | Picture Files      | IFFtoSUN 223       | FishTank 251      | VoiceEditor 749   | FileReq 242      |
| Space 662        | DockBrushes 750    | IFFWizard 584      | GoLD 597          | VoiceFiler 38     | FileRequeste-35  |
| SpaceWar 420     | FineArt 30         | IFF2Ansi 449       | Life 837          | YamEx 647         | FileSelect 653   |
| SSW 839          | HamPics 196        | Iff2C 316          | Life-3d 70        | MIDI Applications | FileWindow 464   |
| TankHunter 818   | Heart3D 236        | Iff2Src: 420       | Linstrom 251      | DissIDemos 307    | Flex 704         |
| ThinkAMania 709  | HR136 182          | Iff2Sun 223        | Logic 461         | Midi 101          | FME 346          |
| Tron 411         | Images 12          | Iff2Shd 452        | LoveMice 660      | MidiChords 847    | FontConverte-644 |
| Up&Down 462      | JayMinerSlid- 19   | ImageTools 85      | Mountain 251      | MidiDiag 653      | FRq 308          |
| 4Wins 643        | MoreArt 106        | ISL 845            | PopLife 111       | MidiKeyboard 563  | GadgetTest: 824  |
| Games Misc.      | Pics 394           | MICE 590           | TurboLife 636     | MidiLib 227       | Grammars 156     |
| AnalogJoysti-247 | PICTURES 72        | MrED 632           | Turmites 251      | MIDlStuff 604     | GraphicsPak 368  |
| BoingDemo 335    | Pictures 45        | PatEdit 130        | XL 516            | MidiSyn 763       | HACK.Source 8    |
| Cheats 788       | RachelRaccoo-780   | PgmToShd 694       | Animation Demo's  | MidiTools 488     | HackBench 96     |
| CheatSheet 456   | RickParksArt 426   | PicBase 527        | Aerotoons 413     | MP 478            | Handler 38       |
| CheatSheet 431   | Clip Art           | PicToANSI 448      | Anims 414         | Paul 82           | HCC 508          |
| DungeonMap 778   | Brushes 81         | Quantizer 416      | AnticBS 217       | Stuffer 626       | H21 387          |
| Fme 148          | CAD-CAM            | ScanIFF 358        | AtMovies 418      | Music Misc.       | H2J 239          |
| InfoTools 834    | DynaCADD 605       | ScreenJaeger 523   | Batman 414        | DSM 167           | Icon2C 377       |
| KeyBang 631      | LandScape 521      | ScreenSave 55      | Coyote 417        | InstIFF 43        | ILBM2C 173       |
| LGZ 161          | MCAD 74            | Scripper 18        | Coyote_2 417      | JukeBox 819       | ILBM2Image 190   |
| MonkeyDemo 529   | PlansDemo633       | SculptTools 430    | Dark 162          | M2Midi 563        | Incident 821     |
| Monopoly 814     | Ray Tracing        | Snap 793           | GlobeDemo 151     | NewIFF 44         | Input 436        |
| MonopolySrc 591  | A-RENDER 3 99      | Steal 541          | Juggette 413      | Opus8 586         | Input.dev 5      |
| NameThatMon-832  | C-Light 146        | VPortPatch: 779    | JuggetteAnim 413  | Randsam 363       | IntuitionEd377   |
| Pinfocom: 834    | RayDance 585       | VSnep 326          | Juggette_2 413    | SAMP 348          | Ipoc2C 105       |
| PopulousKeys 531 | RayShade 707       | Wasp 716           | JugglerDemo2 413  | SampleScanner363  | Joystick 5       |
| Rocky 629        | RayTracePics 44    | 24BitTools 553     | LateNight 414     | SeeHear 335       | Keypam_Test 19   |
| SGD 488          | RayTracer 66       | Graphics Misc.     | Pogo 423          | SMUSMIDI 537      | Lattip 1         |
| TACL 300         | Displays           | ABridge 359        | ShowBiz 261       | SonixPeek 217     | LatticeXref 41   |
| TrainerMaker 532 | AMUC_Demo 117      | FBM 678            | StealthManII 413  | SoundZAP 646      | Layers 5         |
| ZIP 833          | Blocks 71          | Gears 304          | SwissArmyF16 413  | Stairs 121        | LibTool 463      |
| GRAPHICS:        | Blocks2 156        | GetImage 345       | Terminal 414      | STREplay 258      | LockMon 19       |
| Picture Creation | Circles 304        | Gi 14              | Unsporting644     | SPEECH:           | Make 69          |
| AegisDrawDem- 29 | Colorful 1         | GifInfo 841        | WarpSpeed 557     | Speech Programs   | MakeDMake 810    |
| Acquipot 517     | CopperBars 412     | GIFMachine: 541    | Animation Misc.   | PigLatin 18       | Makemake 74      |
| Backcoupling 679 | CopperMaster 412   | IFF DISK 185       | TAPDemo 524       | Speech 1          | Mak2 2           |
| BSplines 75      | CSquared 38        | IffEx 331          | TTDDD 420         | Speech.demo 5     | MemRoutines 362  |
| CardMaker 375    | Dimensions 14      | LinesDemo 27       | Wrap 414          | Speechtoy 5       | MenuBuilder 65   |
| Clouds 805       | Lines 304          | OkidataDump 15     | MUSIC/SOUND:      | SuperEcho 300     | MenuC 438        |
| Contour4D 586    | Polygon 49         | PatchLoadSeg 331   | Music Creation    | TypeAndTell 73    | MenuEditor 30    |
| DKBTrace 514     | RRT 849            | PicSaver 494       | AlgoRhythms 606   | VoiceDemo 618     | MFR 705          |
| EXF_Demo 117     | Scenery 155        | PictSaver 593      | AM: 566           | Voice Recognition | Mklib 183        |
| Freedraw 1       | ScrnTst 785        | SpeakerSim 340     | AudioTools 94     | VCLI 618          | Moire 9          |
| FreePaint 627    | Sparks 9           | Stitchery 350      | HappySong 40      | VCLI: 807         | Mouse 5          |
| Graffiti 620     | Tree 31            | SuperBitMap 28     | LinkSound 323     | Speech Misc.      | MWB 65           |
| HAMpoly 52       | Trees 49           | VirusUtils 331     | MED 483           | TLPatch 481       | MxExample 31     |
| Hemon 636        | Tunnel 174         | ANIMATION:         | OctaMED 840       | PROGRAMMING:      | My.lib 46        |
| LISA 636         | Graphics Plotting  | Animation Creation | PerfectSound 50   | BASIC             | NewPackets 65    |
| Loom 516         | LineDrawer 96      | BasicBoing 43      | Scale 787         | Abdemos 27        | NewStartups 55   |
| Lyapunovia 784   | PrintImage 394     | Blobs 15           | Scales 6          | AmiBas 71         | NiceMove 771     |
| Mandala 67       | 4D 541             | Bouncer 67         | Sing 771          | AmigaVenture 41   | NorthC 384       |
| Paint 128        | Fractals           | Cycloids 49        | SonicArrange-569  | AppRequest 604    | NoSmoking 155    |
| PictureEdito-464 | Cloud 216          | Dbuf.gels 33       | SoundEd 486       | BASIC Pgms. 13    | One.window 5     |
| Poly 52          | FastGro 188        | Gravity-Well 250   | SoundEditor 416   | BasicProgs 105    | Parallel 5       |
| Polydraw 15      | FCS 465            | GravSim 223        | SoundExample 55   | BasicStrip 121    | PDC 351          |
| PopArt 374       | FFEX 549           | Hypocycloids 27    | Tab 145           | Bref 494          | PFler 396        |
| Sc 87            | FracGen 188        | KFAST 683          | VMB 772           | Cursor 347        | Pilplot 340      |
| SceneGenDemo 299 | Fractal 52         | Lmv 73             | WaveMaker 626     | C 347             | PopUpMenu 96     |
| ScreenSnap: 688  | FractalLab 391     | P-Animate 650      | WonderSound 449   | Alib 2            | PortHandler 20   |
| Sirds 763        | Fractals 371       | Prism 798          | Music Players     | Alint 34          | Port2 371        |
| Surf 315         | Genesis 501        | PurAnim 170        | DelTracker 748    | AlphMan: 824      | PrettyWindow-399 |
| Terrain 61       | IceFrac 303        | Rot 71             | DSound 729        | AskReq: 827       | Print.supp- 5    |
| Terrain3d 94     | IFs 321            | Shm 97             | LongPlay 713      | AutoSate: 771     | Printer 5        |
| Tree4D 586       | IFSGen 554         | Spots 797          | MultiPlayer621    | AzMake 586        | Proctest 5       |
| VDraw 38         | IFSLab 696         | VSprites 61        | Multi_Player 600  | AztecApr 436      | Profiler 48      |
| Vdraw1.16 52     | Landscape 554      | 3D-Arm 47          | OctaMED600        | AztecErr: 827     | PropGadget 269   |
| Vdraw1.19 52     | Plasma 779         | Animation Displays | OctaMEDPlaye-819  | Beep 14           | ProSuite 107     |
| Picture Displays | Polyfractals 15    | AAP_AAAC 779       | PlaySound:684     | Bi 375            | PWDemo 71        |
| ALook: 769       | Mandelbrots        | Animations 53      | PowerPlayer 769   | Bigmap 33         | Random 74        |
| BigView 58       | ApfelKiste 566     | AnimPlayer 96      | RTTracker 732     | Bison 309         | Regexp 179       |
| Blit 761         | CPM 303            | MCAAnim 794        | Sam 182           | Bison 155         | Region 5         |
| Ct 235           | DEM 303            | Player 29          | SmusPlayers 58    | Blink 40          | Req 540          |
| Display 39       | IMandelVroom 90    | PPAnim 542         | Smus3.6a 167      | BlitLab 191       | ReqChange682     |
| Dissolve 73      | MAK 522            | PReader 543        | Sound 771         | Blk 191           | Requesters 1     |
| DPS 184          | MandAnim 461       | Animation Files    | SuperPlay 412     | Bru 48            | Resident 396     |
| Dpslide 11       | Mandel 218         | Amiga3d 14         | Sound Editing     | Bump 658          | ReturnCode 502   |
| DynaShow 285     | MandelBlitz 387    | AmyVsWalker 450    | JoinSounds713     | C-Functions 164   | RcxxxPIPlot 306  |
| FastGIF 650      | Mandelbrot 239     | Antilemmm 490      | SOUNDEffect 793   | Calls 160         | RSM 786          |
| FastGif 690      | MANDELBROT 21      | Arrow3d 12         | Songs             | Cc 43             | SafeMalloc 27    |
| GIFdatatype: 813 | Mandelbrot 5       | Balls 1            | AnimalSounds 149  | CDecl 167         | Scanner 218      |
| HAM DISK 17      | MandelBrots 20     | Beach 618          | BCBMusic 763      | Check 160         | ScrollPf 35      |
| IFF 642          | MandelMounta-383   | Berserk 132        | Cooltunes 667     | CloseWB 65        | Serial 5         |
| IFFM2 221        | MandelPAUG 452     | BoingThrows 134    | MagicNoises 811   | CManual 695       | Set 31           |
| ILBM 463         | MandelSquar:-588   | Dazzle 15          | MED-Songs 478     | CNewsBin 472      | SetCOOPTS 515    |
| LoadImage 355    | MandelSquare:835   | Fish 15            | Sounddemos 167    | CNewsSrc 473      | SetMouse2 20     |
| MacView 35       | MandelVroom 215    | Juggler 97         | Synthmania 153    | Compiler 56       | SharedLib 79     |
| Mostra 753       | QMan 130           | Machine 109        | SynthSong 521     | ConPackets 53     | SinglePlayfi- 5  |
| NewIFF 705       | Slicer 836         | Multidim 18        | UnknownGirl 162   | ConsoleWindo- 35  | Skel 304         |
| PcView 164       | SMan 447           | NewDemos 90        | Instruments       | Copper 43         | Skew 746         |
| PicPak 593       | TurboMandel 302    | Revenge 816        | SmartED 708       | Cpp 338           | SmallC 141       |
| Plop 35          | Video Applications | RTcubes 67         | VoiceBoy 708      | Ctmer 166         | SmartFields 43   |
| Pyth 238         | InScript 739       | ShuttleCock 504    | Keyboard Programs | Ctmer 817         | SozobonC 171     |
| QuickFlix 106    | InTime 736         | Sizzlers 90        | CZE 323           | CWb 848           | SpriteEd 40      |
| Riff 732         | TitleGen 300       | Snake 89           | DX-Synth 82       | DBuff 737         | SpriteMaker 35   |
| SecPix 785       | TurboTitle 530     | Spin3 32           | DX-VoiceSort-149  | Dbug 232          | Spy 369          |
| Shazam 449       | Vpg 70             | TheDatingGam-505   | DX100 598         | Dbug 251          | Star 592         |
| Show 323         | Utility Programs   | Utility Programs   | D110EdDemo 515    | Debug 251         | StartUps 101     |
| Showgerb 785     | Brush_4D 361       | CirPlane 101       | FB-01 297         | DebugUtils663     | StringLib 29     |
| ShowHAM 32       | CheckIFF 81        | CyroUtils 428      | Glib 228          | DevKit 297        | StringLib 29     |
|                  |                    |                    |                   | DevPatch 352      | Struct-Saver:761 |

|                   |                      |                  |                     |                      |                  |
|-------------------|----------------------|------------------|---------------------|----------------------|------------------|
| SupLib 258        | Draco 201            | DrunkMouse 105   | Units 74            | Du: 701              | FullView 583     |
| Text.demo 5       | FileCache 846        | Eaters 660       | ValCon 782          | DuM2 75              | Least 800        |
| Timer 429         | FileGoo 66           | EgoMouse 778     | Xnum 379            | Dux5 67              | Less 718         |
| TimeTest 346      | GnuAwk 406           | csuoM 229        | Icons and Pointers  | Hless 75             | Magnetic_Page372 |
| TpEdit: 583       | GurusGuide 203       | AddIcon: 750     | Icons 75            | Fd 75                | MagPages 684     |
| Trackdisk 5       | IncRev 777           | Flip 369         | AniPtrs 332         | File 767             | MemoPad 160      |
| Trek73 10         | Kamin 524            | FollowMouse 757  | AniPtrs2 364        | FileIO 463           | MorelsBetter 224 |
| Unifdof 35        | Labels 111           | Fortune 369      | AniPtrs3 394        | FileLocator 581      | MouseReader 97   |
| Uw 79             | Mon 310              | Friends 161      | AWP: 544            | FileMinder 606       | MRMan 281        |
| VGad 137          | Oberon 380           | Go64 156         | Def 739             | FileTypes 415        | MuchMore 560     |
| WBIDualPF 87      | OPSSc 358            | Halfbrite 1      | DefTool 719         | Find: 690            | MuchMorePoPa 378 |
| Window 38         | Perl 161             | HAMmm2 239       | DockIcon 664        | GetFile 41           | PrintText 90     |
| WizardFilter 584  | PolySys 389          | Hypno 297        | DWFlcons: 686       | Hex 517              | sMOVIE 362       |
| Xrf 2             | PowerLOGO 635        | Ing 54           | DWFPresets: 686     | JPDDirUtil 412       | STV 427          |
| Yacc 419          | ProgUtils 302        | Intoxicated 416  | FixIcon 719         | Ld 10                | SuperMenu368     |
| Zc 314            | SBackup 432          | Jeyes 712        | FixIcons 303        | Ld4 12               | TextDisplay 244  |
| FORTHAN           | Scheme2C 558         | KeyBiz 274       | Garylcons 190       | Ls 236               | TextRead: 767    |
| AmigaLib 493      | SPREADSHEETS:        | Kick 389         | Icon: 535           | Ls: 773              | TextRead2: 767   |
| APalAsm 432       | Spreadsheet Programs | Melt 66          | Iconaholism 364     | MegaD 736            | TurboTopaz 396   |
| BCF 470           | AnalytiCalc 495      | Mischief 222     | IconAssemble-101    | Mv 219               | Ty 246           |
| F2C 675           | Spreadsheet 53       | MiscUtils 302    | IconAuthor: 739     | PathMaster 245       | V 429            |
| Prep 65           | Vc 36                | MoniDie 408      | IconAuthorL: 786    | PopDir 287           | View 658         |
| SciSubr 142       | TELECOMMUNICATIONS:  | MouseMagic 549   | Iconify 126         | QView 262            | View: 504        |
| FORTH             | Telecomm. Programs   | MunchingSq 87    | IconImage 120       | RDM 658              | View80 488       |
| Cforth 3          | Access 98            | Nart 66          | Iconizer 150        | Requester 84         | Vmore 85         |
| MVP-FORTH 9       | Afterm 170           | NetWork 234      | Iconmerger 182      | Sh 69                | Vnews 85         |
| NeuralNet 239     | Ahost 40             | NightMare 448    | IconMk 71           | Seeker: 590          | WarpText 96      |
| ASSEMBLER         | AmicTerm 82          | Oing 33          | Icons 806           | SF2 400              | ZScroll 544      |
| AnsiEcho 39       | AmigaDisplay 18      | Robotroff 59     | Icons: 651          | SID 651              | Disk Utilities   |
| Asm 50            | Amigaterm 1          | Rocket 303       | IconSwap 595        | SpeedDir 75          | ABackup 838      |
| AsmExamples 155   | ArgoTerm 12          | Sand 82          | IconTools 597       | StdFile 402          | AHDM 402         |
| AsmProgs 105      | C-kermi 26           | Scat 81          | ICONtrol 603        | Tsize 35             | AmCat 67         |
| AsmToolBox 136    | Citadel 662          | Smush 81         | IconType 69         | ViewDir 504          | AmiBack 682      |
| Asm68k 81         | Dg210 40             | SnowFall 303     | IE: 377             | WhatIs 334           | AmiBack: 447     |
| AssemTools 247    | DisTerm 462          | Sproing 33       | IE: 621             | WhatIs: 417          | AmSci 66         |
| As6502 92         | DNet 294             | Swish 448        | Image-Ed 412        | Whence 432           | AngusCopy 455    |
| A68k 521          | DTerm 73             | Teacher 204      | ImageEditor 355     | XSearch 806          | ARestaura 760    |
| A68Kex 431        | EliteBBS 444         | Tilt 54          | lth 326             | File Manipulations   | AskFirst 753     |
| CLIPrint 237      | Handshake449         | TurMite 249      | JeansIcons 137      | Acp 36               | Atree 289        |
| DAsm 287          | Kermi 4              | Viacom 112       | MagIcon: 725        | Adapt 378            | AutoRunner 744   |
| DIs 240           | Leggi 669            | VirusHunter 690  | Makelcon 623        | AmigaToAtari 20      | Back 284         |
| Disassem 27       | Mailchk 324          | WalkingMan 706   | Makelcon: 719       | APipe 783            | BackPac 447      |
| Dis6502 170       | MicroTerm 326        | WatchMan 283     | Makelcons 630       | Archx 26             | BackUp 434       |
| EasyExpress 547   | NComm 621            | YaBoing 36       | NoIconPos 113       | ARCre 53             | BackUP: 767      |
| Examples 203      | NetHandler 248       | YaBoingII 136    | Pointer 430         | ARoff 583            | BBFormat 493     |
| EZAsm 699         | NiftyTerm 485        | Clocks & Timers  | PointerX 483        | ATbl 746             | BFormat 758      |
| Fd2AsmInc: 80     | Pdterm 14            | AlarmingCloc-229 | RemapIcon372        | AVLSort 519          | Burf 652         |
| FileRequest 292   | SMALLTALK 37         | CIATimer 178     | RemapInfo 623       | BinToHunk 579        | CacheDisk 462    |
| FileSelect 173    | SoftSpan 374         | Clock 416        | SandGlass 548       | Cmp 168              | Clean 297        |
| FixFd 183         | SpeechTerm 20        | Dad 6            | SetAlternate 12     | DataToObj 172        | CrossDOS 382     |
| PhxAss 749        | StarTerm 30          | DateCheck 793    | ShowI 741           | Dehex 10             | DCDemo 98        |
| PowerVisor 735    | Tek 108              | DateRequeste-276 | Sit 137             | DeluxeChange-439     | DFC 447          |
| ReSourceDemo 232  | Tek4010 52           | Clock 826        | SmartIcon 316       | Diff 821             | DFrags 461       |
| SourcOpt 771      | Term: 833            | DClock 398       | SNAG_Pointer-364    | DiffSed 51           | DisDF 558        |
| SrcAnalyzer 629   | TermLi: 576          | Etime 311        | SpinPointer 269     | DumpDiff 253         | DiskKey 564      |
| MODULA-2          | termLite: 535        | FAClock 412      | Target 81           | ENote 663            | DiskHandler 326  |
| Menu2Asm 563      | TermPlus 33          | GeoTime 758      | TG 548              | FED 555              | DiskLib 154      |
| Modula-2 24       | UUPE 109             | Incr 311         | UpdateIcon: 688     | Fedup 230            | DiskMan 82       |
| ModulaDefs 418    | VAXterm 369          | JPClock 242      | WriteIcon 297       | FifoDev 448          | DiskMapper 33    |
| ModulaTools 138   | Vlt 668              | LE-NAG 838       | Fonts               | FileMaster 361       | DiskMate 804     |
| MPE 766           | Vt100 330            | LedClock 128     | ATAP 680            | Files 168            | DiskSalv 251     |
| M2Amiga 113       | Wombat 50            | MemoMaster 819   | ATOF 245            | FileStat 717         | DiskTalk 302     |
| M2Error 79        | Utility Codes        | MouseClock 279   | CheatFont: 751      | Filezap 14           | DiskTest 663     |
| M2Pascal 512      | AmigaTCP 225         | MSClock 484      | ConvMacF 455        | FixHunk 197          | DiskTest: 828    |
| M2Utils 439       | ArcPrep 214          | MultiClock:740   | Cyrillic 427        | Flow2Troll 162       | DiskX 158        |
| LISP              | AZComm 171           | NLCalc 497       | Fass 570            | FtoHex 168           | DiskZap 50       |
| AMXLISP 181       | CBBS 415             | OnTime 448       | Flyspeck 591        | Icon 277             | DosKwik 129      |
| Formulae 316      | CheckModem 46        | PClock 396       | FontConv 528        | Kryptor 332          | DPU 721          |
| OakLisp 520       | FixObj 38            | PublicServic-592 | FontEditor 30       | Mat 374              | D2D-Demo 82      |
| Scheme 149        | HunkPad 92           | Qt2 186          | FontList 549        | Match_stuff 102      | EraseDisk 650    |
| SIOD 525          | Keep 149             | RSLClock 67      | Fonts 81            | Mult 6               | FastDisk 286     |
| Xlisp 39          | LogMan 749           | Settime 718      | FontViewer 732      | Multic 304           | FileSystems 329  |
| XLispStat 386     | PLW 402              | ShellTimer:638   | FontViewQ750        | Multidef 49          | FillDisk 61      |
| XLisp1.6 18       | RecurDir 284         | SPClock: 704     | GreekFont 474       | M4 160               | FixDisk 403      |
| PASCAL            | Tracker 35           | KickFont 179     | KickFont 179        | NewZAP 574           | FlashBack 447    |
| AmigaPascal 849   | TWC: 801             | MetaFont 138     | MetaFont 138        | Pack 20              | FlashCopy 555    |
| PascalToC 65      | XprTransmit 369      | StarClock: 810   | Metafont 486        | PageCnt 304          | Fm 36            |
| PatchCompile-437  | XprZmodem 459        | StopWatch 583    | MFSrc 487           | Paste 136            | FmsDisk 294      |
| PCQ 511           | Telephone Books      | SunClock 704     | MkBmap 489          | PatternLib 254       | FO 744           |
| P2C 341           | AmicForm 178         | TimeKeeper: 810  | M2Icons 549         | PipeDevice 55        | FOCo: 743        |
| PROLOG            | BbsList 43           | Timer 90         | NewDefTool: 634     | PipeHandler 84       | Formatter 398    |
| SBPProlog 141     | HyperDialer 367      | TimeSet 71       | NewFonts 71         | QuickCopy 35         | FO2 744          |
| TinyProlog 145    | Bulletin Boards      | TinyClock: 696   | PearlFont 61        | RCS 451              | Frag 278         |
| PILOT             | BBBBS 771            | TMonth 432       | PenPalFont 73       | RemLib 178           | FreeCopy 685     |
| Pilot 150         | Bbs 30               | TUC 159          | PrFont 606          | Scan 670             | FSDirs 328       |
| ADA               | TagBBS 66            | Udate 365        | RussianFonts 805    | Sed 231              | FreeDisks 56     |
| Ada 154           | Telecomm. Misc.      | Uhr: 757         | Samplefont 5        | SizeChecker 244      | GetVolume 56     |
| AMIGA Programming | AFaxDemo619          | VLTimer 539      | SetFont 182         | Sort 6               | Hackdisk 803     |
| AmigaLine 138     | ANSIMaster 378       | WizardClock 636  | ShadowMaker 460     | Spiff 172            | HdDriver 98      |
| ExecLib 150       | AreaCode 40          | WorldTime583     | SlavicFonts 202     | SqUsq 51             | HDfixer: 806     |
| COMAL             | KeyFiler 157         | WorldTime: 758   | Softfont 342        | Strings 174          | HeadClean 239    |
| Comal 296         | ParNet 400           | Calculators      | SumKick 179         | StripANSI 798        | KwikBackUp 234   |
| DEX               | RemoteLogin 247      | BizCalc 535      | TeXF 135            | Strip: 6             | MegaD 440        |
| DRACO SYS 76      | Vttest 35            | Calc 388         | ThinFonts 597       | Stripit: 750         | MountShare 650   |
| TurboDEX 743      | XEM 834              | CalcKey 235      | Dir/File Displayers | TarSplit 53          | MRBackUp 465     |
| GAMBIT            | XprKermi 330         | Convert 801      | AList 108           | Touch 49             | Msh 382          |
| Gambit_Comp 765   | XprLib 247           | Deht 740         | ArL 535             | UnHunk 36            | Muncho 137       |
| Gambit_Terp 764   | UTILITIES:           | DezHexBin 321    | Browser 540         | Uniq 217             | MyUpdate 49      |
| CLEO              | Display Hacks        | GearCalc 641     | Browser2 59         | UnWarp 243           | NoClick 246      |
| ADL DISK 91       | AmigaPet 448         | HexCalc 67       | ClickDOS 276        | Warp 243             | NoClick: 501     |
| Cleo 805          | AnimBalls 157        | Hp 130           | CType 237           | WarpSplit 243        | NoClick2 231     |
| DRACO OTHER 77    | AssemblyDemo-154     | Hp10c 38         | DiffDir 281         | WFile 776            | NoErrors 501     |
| E                 | Bezier 75            | HP11 274         | DirectoryOpu-412    | XNote 663            | NoClick: 634     |
| Amiga_E 848       | Blob 358             | ICalc 742        | DirMaster 130       | XZX 345              | Optimizer 519    |
| Programming Misc. | Bugs 549             | LCDCalc 423      | DirUtil 49          | Text File Displayers | PaulCopy 537     |
| AdvSys 87         | CloseMe 167          | LoanCalc 492     | DirUtil2 35         | AMC 182              | Pcopy 402        |
| BumpRev 653       | CpuClr 684           | MontCalc 385     | DirWork 721         | AnsiRead2 377        | PcPatch 218      |
| CHIP8 537         | CrossFade 572        | MultiCalc 166    | DosControl607       | Blitz 60             | RADBack 791      |
| Convert 533       | C64Emul 216          | ProCalc 172      | DoTil 70            | BlitzFonts 60        | RamCopy 165      |
| CTags 197         | DEMOLition 89        | RomCon 785       | Du 496              | Etale 254            | ReDate 358       |
| DoRevision 325    | Dk 69                | RPSC 250         | Du 48               | FastText 170         | ReOrg 678        |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# CatFish

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                  |                    |                      |                  |                      |                      |
|------------------|--------------------|----------------------|------------------|----------------------|----------------------|
| ReOrg: 716       | Lister 527         | Setserial 6          | Degrader 562     | CanonStudio 738      | Guardian 154         |
| SANA 779         | LList 501          | Shell 168            | DeluxeBeeep 435  | Cass 579             | LVD 703              |
| ScottDevice 84   | LSort 379          | Signal 500           | DFA 782          | CassEti 346          | LVI 331              |
| Scrub 429        | LoadLib 649        | SiliCon 102          | DosManager 533   | Control 74           | Memcheck 600         |
| SCSImounter: 532 | LoadLibrary: 818   | SKsh 489             | EasyStart 736    | Deskjet 663          | NGC 238              |
| SDBackUp 128     | LookFor 274        | SKsh: 791            | Edlinap 182      | DiskPrint 844        | NoChange 758         |
| Sectorama 108    | Lower: 774         | SRegExp 527          | EditKeys 817     | DocDump 800          | NoVirus 421          |
| Selector 542     | MakeLink: 677      | UICoderWind: 818     | Esperanto 211    | DocPrint 836         | VCheck 126           |
| SetNoClick 392   | Marge 177          | WBrin 43             | ExecMaster: 750  | Dots-Perfect 108     | Virus Killer 331     |
| SetTrack 754     | Massign: 703       | Wild 43              | Fenster 630      | Drivers 696          | VirusChecker 825     |
| SuperDuper 753   | MatchPlay: 788     | WildStar 611         | Fkeys 562        | DV12LJ 797           | VirusControl 211     |
| SuperFormat-835  | MBPress: 602       | Xicon 290            | FlamKey 105      | DWIP 160             | VirusHunter 331      |
| TD 543           | Mounted 79         | ZShell 537           | FRequest: 827    | EnvPrint 636         | VirusX 287           |
| TDIP 479         | MoveSYS 429        | Tasks & Memory Pams. | FuncKey 106      | FontConvert 393      | VirusZ 820           |
| ToggleClick: 590 | MultiBox 686       | AllocMaster 221      | GadToolsBox 842  | Gothic 3             | VirusAlert! 154      |
| TrackDisplay 399 | NewEx 368          | ALoad: 564           | HandyIcons 148   | GPrint 180           | VMK 568              |
| TrackDOS 620     | NewList 597        | AmiCron 139          | HIDClick 605     | GwPrint 367          | VRTest 161           |
| TrackSalve 355   | NewPos 686         | AmigaMonitor 70      | Helper 332       | Hd 20                | VTest 533            |
| TrackUtils 350   | NewShellCX: 497    | AmyLoad 111          | IFFBeeep 472     | HiSpeed 697          | XenoZap 300          |
| TNFSuite 552     | NewStat 38         | AppSizer: 802        | IList: 744       | HPMam 153            | ZeroVirus 412        |
| TurboBackup 139  | NoArgs: 763        | ARTM 652             | InputLock 494    | HPMode 555           | Arexx 463            |
| TurboQuantum 577 | Path 177           | ASDG-rdd 241         | InstallBeeep 217 | HP3ps 797            | APIG 634             |
| UltraF-4 444     | PF 539             | AskTask 230          | IRMaster 477     | JbSpool: 656         | ARExxApplist 754     |
| Update 45        | PhxLnk 749         | AutoAddRAM 412       | Jask 177         | Keti: 739            | ARExxBox 745         |
| WB Gauge: 551    | PickFile: 827      | AvailMem 496         | JazzBench 228    | Kpri: 563            | Dispmo 326           |
| Xebec 224        | Pipe 673           | BIGMec 797           | JMenu 460        | Label 96             | DonsGenies 724       |
| Zoom 682         | Pmode 392          | CacheCard 233        | Journal 95       | Labeler 435          | ExecRexx 463         |
| General Displays | PopScreen 326      | Check4Mem 412        | KCommodity: 746  | LabelMaker 548       | FAM 325              |
| Cookie 65        | Print 184          | DiskFree 324         | Keyboard 344     | LabelPrint 277       | FuncLib 393          |
| DropShadow 112   | QC 788             | FMC 244              | KeyClick: 742    | LabelPrint3-363      | LDP 635              |
| Filter: 562      | QueryAny 79        | FragIt 243           | KeyLock 81       | LJP 418              | MinRexx 450          |
| PickPacket 227   | QuickReq 457       | Frag 69              | KeyMac 253       | LLabel 759           | Notify 652           |
| RainBench 90     | Quotes 516         | Free 713             | KeyMacro 535     | MCMaster 685         | Quest 773            |
| RainBow 58       | Recorder 673       | Freemap 5            | KeyMapEd 388     | MMB: 436             | RexxArpLib 227       |
| Setlace 9        | Replex 791         | Gauge 111            | KeyMenu 528      | ModHPJLD 792         | RexxHostLib 403      |
| SimGen 243       | RepString 180      | Gfxmem 14            | KickBench 36     | MRPrint 279          | RexxHostLib: 682     |
| Stars 33         | Retab 389          | HDMem: 740           | KME 666          | NewPrint 634         | RexxIntuitio-463     |
| SuperLines 243   | RunBack 429        | Hide 85              | LazyBench 839    | PagePrint 40         | RexxLib 463          |
| Trails 32        | RunBackGroun- 73   | JM: 647              | Lens 70          | Pager: 824           | RexxMathLib 227      |
| WB Pic 234       | Scan 464           | Lav 54               | ListWindow 368   | PaintJet 129         | REXXProgs 773        |
| 3dstars 33       | ShellTools 673     | LowMem 85            | LockIt: 798      | PaperBack 749        | RexxRMF 629          |
| CLI Commands     | Split 798          | MallocTest 66        | Look 816         | Parsnag 165          | RexxView 516         |
| AddAssign 648    | Split: 774         | MemBar 814           | Macro 786        | PC 757               | Rxgen 459            |
| AList 742        | SplitQ 750         | MemBoardTest 158     | Menu 387         | PPrint 487           | Rxil 299             |
| ANSI 737         | SwapName 412       | MemCheck 740         | MenuLock 570     | PPType 542           | RxilShell 599        |
| Append 379       | Task 79            | MemClear 571         | Mglb 131         | Pr 122               | SimpleRexx 539       |
| Arp 123          | Tee: 774           | MemDiag 214          | MKS Lens 574     | PrinterCTRL 723      | TeXify 458           |
| AskVersion 827   | Time: 696          | McMeter 366          | MoveWindow 87    | PrintFiles: 683      | Specific Software    |
| AsmTools 79      | TimeCom: 774       | McMeter: 843         | MultiSelect 253  | PrintHandler 352     | AppliGen 646         |
| Assign 52        | Timing 785         | MemFlick 206         | MyMenu 225       | PrintIt 234          | ASMOncDemo 556       |
| AssignDev 111    | Touch: 696         | MemFrag 345          | NFD 744          | PrintManager: 810    | Caligari Demo 531    |
| Assigned 66      | TreeWalk 352       | MemGauge 723         | NickPrefs: 780   | PrintPop 108         | CanDoDemos 565       |
| AssignWedge: 689 | UCD 785            | NLIGuard 436         | NLI daemon 497   | PrintSpool 393       | DeckBrowser 530      |
| AssignX: 487     | UnDelete 795       | MemLib 240           | NoDelete 657     | PrintStudio 402      | DFrame 221           |
| BatchMaster 521  | Unique: 774        | MemLook 417          | NoReq 412        | PrintL2 174          | DM-Maps 240          |
| BCount: 716      | UnixUtils 663      | MemMan 636           | OneKey 511       | PLabel 737           | DPatch 557           |
| BindNames 784    | Utils 416          | Memmin 760           | OSK 412          | ProDrivers 451       | DumpHarpoon 525      |
| CBDump 326       | ViewIcon 717       | MemMometer 758       | P-Index 744      | PrtDriver 128        | FAFF 553             |
| CCutlits 286     | WaitAnyKey 437     | MemMon 455           | ParM 843         | PrtDrivers 164       | LPE 277              |
| CheckPrt 521     | WBRUN 843          | McMon 769            | Password 804     | PrtDrvGen 90         | Mean18 304           |
| CLI-Tools 764    | Whereis 321        | MemoryClock 188      | PCKeyMap 509     | PrtSpool 216         | MFIX 172             |
| ClbSave 595      | With 253           | MemSnap: 826         | PCMenu 624       | Puty 66              | MRARPFFile 281       |
| CLIEke 649       | WWBatch 636        | MemTrace 163         | PcMenu 368       | RPN 539              | ST2Amiga 448         |
| CLI-Tools: 696   | XCOPY 74           | MemView 33           | PopUpMenu 756    | ScreenDump 33        | VS2PR 642            |
| CLI_Utlitie-16   | CLI and CLI Shells | MemWaste 761         | PowerSnap 781    | SimSmart 528         | Color Palettes       |
| CloneCmdKey:-608 | Add 73             | MemWatch 87          | PowerSource 547  | Snapshot 73          | ChangeColors 497     |
| Common: 774      | Antiborder 537     | MergeMem 95          | PRefs 242        | Spew 69              | ColorCats 543        |
| Concat: 774      | Ash 279            | MungWall 800         | QCID: 626        | Spool 69             | ColorSamples 483     |
| Console 69       | AUSH 747           | Ninfo 662            | QuickHelp 302    | SuperRetLab 304      | ColorSaver: 800      |
| Copy 75          | AutoRev: 502       | ParTask 79           | QuickHelp: 420   | TapeCover 498        | ColorSwitch: 742     |
| Count: 774       | AuxHandler 79      | PerfMonitor 740      | Record-Repla-105 | Tek4695 96           | ColorTools 323       |
| Create: 750      | bsh 811            | Ph: 677              | ScnSizer 79      | TitlePage 174        | CPalette 498         |
| CustReq 412      | Cled 81            | PopInfo 412          | ScreenX 418      | TypoGrapher 697      | CWDemo 283           |
| DevRen 378       | CLI-Colors 248     | Ps 26                | Script 288       | TypoGrapherF-710     | EasyColor 555        |
| Devstat 292      | CLImax 429         | SFragMem: 761        | SetPrefs 742     | VLabel 137           | HSV: 791             |
| Dfc 131          | ClipBoard 56       | ShowDisk 269         | Sh 174           | WBDump 58            | Palette 330          |
| DirKing 784      | ClipWindow 437     | Sizer 805            | ShortCut 90      | WControl 653         | PaletteReq 242       |
| DirTree: 774     | Cmd 95             | SmartDisk 754        | ShowGadgets 420  | Graphics             | PopColours 43        |
| DiskInfo 783     | Conman 426         | StackWatch 494       | SignFont 211     | FastBlit 354         | Recolor 490          |
| DosError 366     | Csh 624            | StealMemBoot 150     | SnipIt 217       | Ifar 162             | SCM 367              |
| DosPlus1 32      | Csh2.04 48         | SysInfo 820          | SoftLock 826     | Spright 484          | SetColors 540        |
| DosPlus2 32      | Csh2.04M 48        | TaskControl 159      | SuperDark 835    | File Input/Output    | SetSC 787            |
| Dr 429           | CutAndPaste 97     | TaskPri 552          | SuperLock 583    | ASendPacket 35       | SmallPalette 636     |
| DT 539           | CyberCron: 801     | TaskX 158            | TCL 447          | Commodities 87       | SwitchColors 652     |
| Echo 311         | DOScmd 408         | Tracker 181          | TDraw 461        | Dio 73               | WBColors 121         |
| Eco 391          | DOSHelper 40       | WatchStack: 818      | TES 162          | IPDevice 374         | XColor 244           |
| Enough 29        | Egal 46            | WFrags 131           | Today 368        | MSDOS 158            | Boot Block Utilities |
| Env 600          | ExecC 584          | Who 224              | ToolsDaemon: 561 | RawIO 85             | BBBF 797             |
| ExtraCmds: 774   | FirstSiliCon 50    | User Interfaces      | TrashIcon: 839   | SendPacket 35        | BBCChampion 298      |
| FakeKey: 832     | FixCLI 429         | AddMenu: 565         | Tsnip 179        | SendPackets 66       | BICS 630             |
| FP: 729          | GetString: 809     | Alert 417            | Turbo 170        | TDebug 74            | BootBack 157         |
| FileSearch: 531  | GMC 683            | ALock 717            | WBAssign 277     | Benchmarks           | BootBase 363         |
| Find 197         | GMC: 434           | AltKeyQ: 764         | WBGenie: 834     | AIBB 439             | BootBlocks 242       |
| FindIt 168       | HardCopy 75        | AmiDock 518          | WBLink: 654      | AmigaBench 236       | BootIntro 245        |
| FindIt: 731      | IntuiDOS 103       | AmigaToNTSC 575      | WBRes 277        | Amigademo 1          | BootJob: 814         |
| FindName 547     | Jobs 70            | AniMan 841           | WBShadow: 253    | Dhrystone 1          | FileBootBloc-191     |
| ForEach 673      | Jsh 38             | ARPTools 284         | Wicon 154        | Diskperf 187         | MenuWriter 420       |
| Format: 727      | KillReq 290        | Arq 665              | WizKey 745       | DiskSpeed 665        | NewBoot 654          |
| GoWB 346         | MultiInstall 548   | AutoActivat:-497     | WKSC 739         | Library 134          | SafeBoot 175         |
| Hangman 299      | MxGads 52          | AutoCentre: 557      | Wrcq 387         | RamSpeed 31          | XBoot 161            |
| Head: 774        | MXReq 806          | AutoCLI 553          | WTF 416          | Speed 237            | File Compressions    |
| History 673      | MyCLI 4            | AutolconOpen 87      | Xoper 318        | TimeRam 96           | AL 694               |
| Iconj 321        | NewPop 773         | Badger 543           | XTtrash: 807     | Vectors 316          | Arc 70               |
| If2.0 798        | Null 188           | Batchman 325         | Zippy 175        | Virus Check & Fixing | ArchEdge 362         |
| Info 626         | Parse 598          | BatchRequest-436     | 60or90 157       | AntiCicloVir 842     | Boxz 176             |
| Info 79          | PetCLI 71          | BlackHole: 662       | Printing         | Berserker 436        | CFX 750              |
| InfoQ: 763       | PolySiliCon 504    | BootGen 533          | APR 747          | BigBrother 473       | CompDisk 353         |
| Install 817      | PopCLI 84          | ClickRun 743         | Banner 4         | BootX 641            | Compress 51          |
| Kan 694          | PrinterSteal- 95   | ClickToFront 86      | CanonBJ 446      | BootX: 703           | Cruncher 253         |
| Kill 79          | SCSItutl 669       | ClickUpFront 94      | CanonBJC 738     | EWV 641              | DMS 406              |
| Launch 179       | Setparallel 6      | CopperPrefs: 769     | CanonLBP 625     | FullReset 283        | EPU 809              |

|                     |                  |                  |                      |                      |                      |
|---------------------|------------------|------------------|----------------------|----------------------|----------------------|
| GZip 838            | AutoCLI 642      | AvfTrees 103     | AmokEd: 749          | AmiGazer 619         | Alert 636            |
| Imploder 422        | AutoPoint 86     | AZap 759         | Annotate: 751        | CM 280               | AmigaMail 567        |
| IntuiFace 366       | AutoPort 609     | Brik 233         | ANSIEd 324           | DeepSky 219          | ColorReq 348         |
| LAZI 637            | Blanker2 146     | Brunjes 239      | Avi 162              | DSIDemo 643          | GamePort 446         |
| LhA 715             | Blankette 475    | BTNTape 392      | Az 346               | Ephemer 482          | Hyper: 786           |
| LhArc 404           | BrowserLI 843    | BTree 34         | Bgrep 4              | Gravity 422          | MMU 626              |
| LhArcA 331          | ButExchange 494  | BTree2 34        | Bm 4                 | Luna 801             | PointerLib 446       |
| LHCon 507           | ClockDJ 529      | ChkFrag 519      | BMMake 523           | Moontool 800         | RKMCCompanion 344    |
| LhLib 436           | DMouse 421       | CLIcon 167       | CygnusEdDemo 95      | Planets 709          | RKRM_Develop 741     |
| Lhwarp 318          | EasyMouse 365    | CopDis 776       | DIED 388             | Plot6 85             | RKRM_Lib1 741        |
| Lz 465              | flanker: 491     | CPU 329          | DisEditor 348        | StarChart 159        | RKRM_Lib2 742        |
| P-Compress 760      | FMouse 437       | Crc 133          | DMD 645              | Special Calculations | RKRM_Lib3 742        |
| P-FixLib 650        | FracBlank: 687   | CyberX10: 801    | Dme 530              | ASimplex 250         | SystemInfo 644       |
| P-Reader 744        | HeliosMouse 111  | DOSWatch 501     | DmeAsm 365           | AutoGraf 606         | VoiceCode 807        |
| Pack-It 103         | JoyMouse 412     | Driver 39        | DmeMacros 146        | FFT 239              | Libraries            |
| Packer 253          | LeftyMouse: 229  | Deksid 441       | dvi2ity 671          | Data Plotting        | CCLib 399            |
| PCompress 565       | LeftyMouse: 497  | Detache: 773     | Ed 84                | AirFoil 150          | ColorReq 257         |
| PKAZip 318          | Mach 130         | DOSWatch 501     | EDRC 636             | AMPPlotDemo 737      | ConLib 587           |
| Portar 2            | MachII 254       | EmptyHandler 684 | Elvis 645            | CPlot 392            | Diglib 499           |
| PowerData: 841      | MachIII 471      | Enforcer 773     | FF 3                 | DataPlot 584         | Din 414              |
| PowerPacker 253     | MachIV: 624      | Enforcer2 800    | GnuGrep 406          | DPFFT 364            | FifoLib 588          |
| PP 601              | Mackie 305       | ExecDis 188      | Grep 4               | DPlot 290            | Gwin 571             |
| PPData: 695         | MadBlanker 406   | FileTest 284     | Hed 164              | EGraph 58            | HardBlocks 708       |
| PPDO 766            | MightyMouse 527  | Fix68010 241     | HyperANSI803         | GNUPlot 701          | ILBMLib 393          |
| PPLib 678           | MMSBShift 547    | Flat 535         | InspireDemo: 815     | Graph 280            | Input 446            |
| PPLoadSeg 569       | MouseAccel: 497  | GadgetED 475     | Jed 297              | GraphIt 97           | InstallLibs 348      |
| PPMC 812            | MouseAideDEM-788 | Gomf 95          | JED: 776             | JcGraphDemo 760      | Intusup 722          |
| PPMore 561          | MouseBlancke:497 | GrabKick 831     | Lemacs 22            | Kurve: 371           | IOObject 846         |
| PPShow 561          | MouseCoords 287  | Guru 239         | MegaEd 743           | ListPlot 798         | JoyLib 378           |
| S-Text 817          | MouseOff 75      | HAMES 328        | MG 352               | MathPlot: 849        | LibTool 393          |
| SaveSpace 253       | MouseUtil 184    | Hash 20          | MicroEmacs 195       | Multiplot 572        | Mathtrans 319        |
| Shar 92             | MouseXY 543      | HunkFunk 398     | MICROGNUMACS147      | Plot 389             | Matlab 499           |
| Shrink 699          | MovePointer 87   | HunkX: 703       | Nro 197              | PlotData2D288        | MatLabPatch 538      |
| Sq.usq 10           | MT420d 436       | IconExec 12      | P-Writer 674         | PlotLib 602          | MTToolLibrary 573    |
| UUDecode 38         | OptMouse 445     | IconExec 12      | PED 749              | Plotter 573          | MultiReq 778         |
| UEncode 92          | PBlanker 537     | ICoons 775       | Pemacs 22            | PSGraph 523          | MXMLib 354           |
| WarpUtil 243        | PBlanker: 536    | ID-Handler 87    | Proff 9              | Roses 345            | NoFragLib 658        |
| XPK 754             | QMouse 262       | InputView 599    | ProffMacros 46       | Spli 59              | OwnDevUnit 650       |
| Zoo 753             | QMouse: 802      | Installer: 761   | Splines 97           | SurfacePlot656       | PacketSupport-346    |
| Screens and Windows | RevBut 332       | JTime 65         | Stevie 256           | Text 20              | Pattern 625          |
| AnimFader 607       | RMSBShift 555    | JustBeeps 239    | Ted 20               | TeX 616              | PrintSpool 463       |
| AutoEnquirer 89     | ShadowMaste:597  | KickDate 408     | TEX DISK 83          | TextPaint 361        | QuickTrans 592       |
| Back&Front: 497     | Spliner 569      | KickMem 224      | TextPlus 846         | TextReq 444          | RegExpLib 444        |
| BackDrop 216        | Spliner: 517     | LibraryKille-383 | Textra 668           | ReqLib 419           | RegAztec 619         |
| BootLogo: 754       | StarBlanker 308  | ListScanner 139  | TKED 781             | ReqLibary 563        | ReqTools 794         |
| BootPic 718         | SunMouse 65      | Lit 73           | TrueEd 804           | ReqTools 794         | SerLib 593           |
| CenterScreen:497    | Surveyor 151     | LockDevice 371   | TurboText 445        | SmallMath 809        | SmallMath 809        |
| Chop 302            | TwilightZone 782 | LPatch 61        | TxD 31               | STSLib 599           | STSLib 599           |
| CLisizer 562        | Windowtool 711   | Mkid 448         | Uedit 770            | Termcap 733          | ToolLib 475          |
| CloseWD: 827        | XHair 234        | nkmake 671       | Uedit-Stuff 429      | ToolLib 475          | ToolLibrary 376      |
| Colour 126          | XSB: 687         | MonIDCMP 108     | UeditUpdate 301      | FLODemo 452          | Turtle 321           |
| DoPro 564           | Yak 782          | MonProc 79       | Ueturbo 60           | Furnish 175          | WhatIs 843           |
| DragIt: 792         | Postscript Uses  | A2ps 797         | Vim 591              | Circuit Analyses     | XColorLib 361        |
| DropCloth 201       | Claz 87          | Dps 209          | XDME 776             | ASpice 278           | KitWare 709          |
| Exploding: 668      | EPSfitt 797      | EPStops 797      | Text Replace Program | DIB: 844             | CPUCL: 709           |
| Expose 73           | IFF2Ps 94        | PSFonts 830      | Bawk 92              | GALER 633            | PatchOS: 706         |
| FLM: 814            | Lila 414         | PSIntrp 101      | Live 46              | Spice3 578           | SCRAM500 698         |
| FixWB 59            | Post 669         | PSnup 797        | Regex 248            | Maps                 | AMIGA OS Misc.       |
| Flip 437            | Post: 828        | Passelet 797     | ValSpeak 46          | DrawMap 720          | All: 825             |
| GetSC 787           | Psbook 797       | PSTools1 795     | Spell Checkers/Dicts | PlotMap: 762         | BootCACHE 418        |
| HuntWindows: 774    | PSfont 830       | PSTools2 796     | AmigaSpell 67        | WorldDataBan-580     | CPUSET 583           |
| IFFBoot: 800        | MSizer 285       | PSups 797        | ISpell 191           | Satellites           | LoadSpy: 769         |
| MegaWB 253          | NewLook 396      | PSUtils 797      | ISpell: 774          | Orbit 289            | PKludge: 771         |
| MoreRows 54         | NewMode: 798     | Redaktu 454      | MicroSPELL 101       | SatTrack 680         | SerRamsey 567        |
| MSizer 285          | NoCare 480       | Switcher 766     | SuperSpell 583       | Text Translators     | Set040: 642          |
| MSizer 285          | OnePlane 329     | PAL Specific     | X-Spell 40           | Accent 535           | Spartan 787          |
| MSizer 285          | OOPS! 156        | NTSC&PAL788      | Address Books        | Cryptor 480          | TMKBP 587            |
| MSizer 285          | Overscan 133     | NTSC-PAL 387     | Address 32           | DeafLab 494          | ToolManager: 752     |
| MSizer 285          | PatchLace: 742   | Pal: 742         | Amigadex 631         | FileEncrypt379       | REFERENCES           |
| MSizer 285          | PSX: 483         | PalTest 87       | BlackBook 70         | NotEdit 814          | Religious            |
| MSizer 285          | PubChange: 804   | PatchNTSC 346    | Contact 618          | Pauky 496            | VerseWise 549        |
| MSizer 285          | PublicManage:685 | PongoDemo 789    | WO 363               | Ruler 496            | NOT CATALOGED:       |
| MSizer 285          | PubScreens: 418  | SetPALorNTSC 162 | Calendar 269         | SFCoder: 704         | General Misc.        |
| MSizer 285          | PWKeys 494       | PC Bridgeboard   | DTC 335              | Vortex 454           | AQData 369           |
| MSizer 285          | SaveW: 750       | SCT 151          | MSCalendar 564       | Stereo Images        | CPM 165              |
| MSizer 285          | ScreenMod 493    | SetAslDim: 774   | Nag 161              | Hawk 206             | CpuBlit 528          |
| MSizer 285          | ScreenShare 308  | Shell2Front741   | PCalendar 396        | ProjMot 453          | Decigel 454          |
| MSizer 285          | ScreenShift 89   | Shuffle 229      | YearPrintQ: 751      | StereoDemo 206       | DocSplit 304         |
| MSizer 285          | ScreenZap 303    | SizeW: 750       | Outliners            | Audio Analyzers      | ECMP 157             |
| MSizer 285          | SCT 151          | SM 390           | 'Liner 394           | AudioScope 543       | Hextract 744         |
| MSizer 285          | SetAslDim: 774   | sWindows 500     | Foreign Words        | CWToy 517            | Hextract: 817        |
| MSizer 285          | Shell2Front741   | TWA 781          | Examiner 701         | PhoneGram 516        | IOBoard 520          |
| MSizer 285          | Shuffle 229      | VacBench 184     | Japanese 839         | Spectrogram 543      | Logo 70              |
| MSizer 285          | SizeW: 750       | vScreen 494      | SpellCheck 701       | Spectroscope 666     | MC68010 18           |
| MSizer 285          | SM 390           | WArranger 139    | Word Process. Misc.  | SYNWORKS 510         | MemExpansion 27      |
| MSizer 285          | sWindows 500     | WBD 346          | ColumnSet 270        | Controllers          | MostCurrent 417      |
| MSizer 285          | TWA 781          | WBDepth 175      | Dex 14               | CDTV-Player 849      | PCBTool 158          |
| MSizer 285          | VacBench 184     | WBPat: 792       | DMEFReq: 826         | SCAN8800 812         | Questionator-582     |
| MSizer 285          | vScreen 494      | WBplane 543      | Lex 36               | TreeGrow 814         | SimCPM 186           |
| MSizer 285          | WArranger 139    | WComm: 825       | MailMerge 599        | Scientific Misc.     | Skewb 9              |
| MSizer 285          | WBD 346          | wConify 500      | Patch 296            | Analyzer 576         | Support 649          |
| MSizer 285          | WBDepth 175      | WindowShuff:497  | ReadRefs: 763        | BioComp 741          | Sushi 733            |
| MSizer 285          | WBPat: 792       | WindowTiler: 696 | Scrambler 148        | CaloricBase 568      | TheA64Packag-555     |
| MSizer 285          | WBplane 543      | WinMan: 420      | SetKey 70            | CoGo 714             | TrackMaster 599      |
| MSizer 285          | WComm: 825       | Win2Front 754    | Statistics 744       | Crystals 590         | WizardsInfo 636      |
| MSizer 285          | wConify 500      | YKeys 128        | TextSat 584          | Day2Day 543          | Recalled Disks/Files |
| MSizer 285          | WindowShuff:497  | YAPS: 785        | TxD 286              | FSim 885             | DISK 57 57           |
| MSizer 285          | WindowTiler: 696 | ZipWd: 749       | Wc 69                | HiraganaDemo 662     | DISK 80 80           |
| MSizer 285          | WinMan: 420      | ZoomDaemon 498   | SCIENTIFIC APPLS:    | LifeCycles 325       | DISK 88 88           |
| MSizer 285          | Win2Front 754    | Mouse Interfaces | Algebraic            | Mind 411             | DISK 88 88           |
| MSizer 285          | YKeys 128        | ASwarmil: 798    | Eval 192             | Neuro 581            | DISK 88 88           |
| MSizer 285          | YAPS: 785        |                  | Matrix 376           | NeuronalNets 326     | DISK 88 88           |
| MSizer 285          | ZipWd: 749       |                  | Newton 164           | SendMorse 175        | DISK 88 88           |
| MSizer 285          | ZoomDaemon 498   |                  | PolyRoot 164         | SnipDemo 199         | DISK 88 88           |
| MSizer 285          | IPC 290          |                  | Schoonschip 568      | TalinCode 716        | DISK 88 88           |
| MSizer 285          | Mouse Interfaces |                  | Statpack 386         | AMIGA OS MATERIALS   | DISK 88 88           |
| MSizer 285          | ASwarmil: 798    |                  | Astronomical         | Manuals              | DISK 88 88           |
| MSizer 285          |                  |                  |                      | ADoc 747             | Tools 80             |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Fred Fish Index

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|  |   |  |  |  |  |  |   |   |
|--|---|--|--|--|--|--|---|---|
| Fred Fish 1<br>amigademo<br>amigaterm<br>balls<br>colorful<br>dhrystone<br>dotry<br>freedraw<br>gtxmem<br>halfbride<br>hello<br>latip<br>palette<br>trackdisk<br>requesters<br>speech<br>speechtoy | join<br>Joed<br>loz<br>mandelbrot<br>menu<br>minipaint<br>mostrper<br>mouse<br>Orthello<br>patch<br>pena<br>pinwheel<br>random-circles<br>Readme<br>rgb<br>rgbttest<br>ror<br>Rord<br>sabotage<br>salesstalk<br>shades<br>shapes<br>shuttle<br>sketchpad<br>spaceart<br>speakspeach<br>speecheasy | BBS<br>FineArt<br>FontEditor<br>MenuEditor<br>StarTerm<br>Fred Fish 31<br>Life<br>Mandelbrot<br>MxExample<br>RAMSpeed<br>Tree<br>TxEd<br>VDraw<br>Xicon<br>Fred Fish 32<br>Address<br>Calendar<br>DOSPlus1<br>DOSPlus2<br>MacView<br>ShowHAM<br>Solitaire<br>Spin3<br>Sword<br>Trails<br>Fred Fish 33<br>3dstars<br>Bigmap<br>Dbuf.gels<br>DiskMapper<br>Oing<br>ScreenDump<br>Scb<br>Sproing<br>TermPlus<br>Vt100<br>Fred Fish 34<br>Alint<br>Blink<br>Browser<br>Btree<br>Btree2<br>Calendar<br>Less<br>NewFonts<br>Pr<br>Requester<br>Fred Fish 35<br>ASendPacket<br>ConsoleWindow<br>DirUtil<br>FileRequester<br>MacView<br>Plop<br>PopCLI<br>QuickCopy<br>ScrollIP<br>Dazzle<br>Fish<br>Monopoly<br>OkidataDump<br>Polydraw<br>Polyfractals<br>mult<br>Fred Fish 18<br>Amiga<br>Developer's<br>IFF disk | WBrn<br>Fred Fish 44<br>Icons<br>NewIFF<br>RayTracePics<br>ViewLBM<br>Fred Fish 45<br>Clue<br>Make<br>Update<br>WhereIs<br>Fred Fish 46<br>Asm<br>CheckModem<br>Egad<br>Jive<br>MyLib<br>ProfMacros<br>ValSpeak<br>PascalToC<br>Fred Fish 47<br>3D-Arm<br>Juggler<br>Vt100<br>Fred Fish 48<br>Br<br>Comm<br>Csh2.04<br>Csh2.04M<br>Diskperf<br>MemWatch<br>ProfMac<br>Fred Fish 49<br>Sproing<br>Cyclodis<br>DirUtil<br>Multidef<br>MyUpdate<br>SnapShot<br>Polygon<br>QMouse<br>Touch<br>Trees<br>Fred Fish 50<br>Asm<br>diskOut<br>DiskZip<br>FirstStillCon<br>Missile<br>Sizzlers<br>UNIXArc<br>Wombat<br>Fred Fish 51<br>Bison<br>Compress<br>Cos<br>DilSsed<br>ScUseq<br>Fred Fish 52<br>Assign<br>Fractal<br>HAMPoly<br>McGads<br>Poly<br>Tek4010<br>VDraw1.16<br>Vdraw1.19<br>Fred Fish 53<br>Animations<br>Echo<br>Arp<br>Compiler<br>SpreadSheet<br>TarSplit<br>Ullencode<br>Fred Fish 54<br>Hanoi<br>ISpell<br>Ing<br>Lav<br>MidTools<br>Fred Fish 55<br>Csh<br>NewStartups<br>Palette<br>PipeDevice<br>ScreenSave<br>ShangaiDemo<br>SoundExample<br>Vsprites<br>Vt100<br>Fred Fish 56<br>Clipboard<br>ConPackets<br>GetDisks<br>GetVolume<br>Icon2C<br>MergeMem<br>mCAD<br>Fred Fish 57<br>replaced by FF97<br>Fred Fish 58<br>ASDG-rd<br>BigView<br>EGraph<br>Legends<br>NewZAP<br>RainBow<br>SpriteEd<br>X-Spell<br>Fred Fish 41<br>WBdumpp<br>AmigaVenture<br>Fred Fish 27<br>ABdemos<br>Disassem<br>DvorakKeymap<br>Hypocycloids<br>LinesDemo<br>SafeMalloc<br>Fred Fish 28<br>Backgammon<br>Ccp<br>Cribbage<br>MiloStone<br>Othello<br>Shar<br>Fred Fish 29<br>AegisDrawDemo<br>Enough<br>Rubbik<br>StringLib<br>Vt100<br>Fred Fish 30<br>STEmulator | LPatch<br>MicroEmacs<br>PearlFont<br>Terrain<br>VSprites<br>Fred Fish 62<br>Hack<br>Fred Fish 63<br>Lam<br>Fred Fish 64<br>Amiga<br>Developer's<br>IFF disk<br>Duto2<br>Eless<br>Fred Fish 65<br>Bawk<br>CloseWB<br>Cookie<br>JTime<br>MenuBuilder<br>NewPackets<br>PascalToC<br>Fred Fish 76<br>Draco SYS I<br>Fred Fish 77<br>Draco SYS II<br>Fred Fish 78<br>Cycles<br>EOMS<br>MandelVroom<br>Fred Fish 79<br>AsmTools<br>AssignDev<br>AuxHandler<br>Cmd<br>Info<br>Kill<br>M2Error<br>MonProc<br>Mounted<br>Nro<br>ParTask<br>QueryAny<br>ScnSizer<br>SharedLib<br>Task<br>Uw<br>Who<br>Fred Fish 80<br>replaced by FF90<br>Fred Fish 81<br>Asm68k<br>AutoFace<br>Brushes<br>CheckIFF<br>Cled<br>Conman<br>Fonts<br>Icon<br>KeyLock<br>Scat<br>Smush<br>Target<br>Fred Fish 82<br>Adventure<br>AmicTerm<br>D2D-Demo<br>DX-Synth<br>DiskMan<br>Icons<br>Pant<br>Rocket<br>Sand<br>Fred Fish 83<br>TexDDemo<br>Fred Fish 84<br>WBlander<br>AudioTools<br>BitLab<br>CirPlane<br>Colour<br>MicroSPELL<br>MIDI<br>PipeHandler<br>PopCLI<br>Requester<br>ScottDevice<br>Vicom<br>Fred Fish 85<br>Csh<br>FileReq<br>Hide<br>ImageTools<br>LowMem<br>Ploie<br>RawIO<br>Rocket<br>VMore<br>Vnews<br>Fred Fish 86<br>AutoPoint<br>ClickToFront<br>Cmd<br>FileAllSG-Demo<br>Fred Fish 87<br>AdvSys<br>AutolconOpen<br>Claz<br>Commodities<br>Diff<br>Dme<br>DropShadow<br>Elib<br>ID-Handler<br>Install Two<br>MemWatch<br>MovePointer<br>MoveWindow<br>MunchingSq<br>PatTest<br>Sc<br>Tek4695<br>WBDualPF<br>WarpText<br>Yairfr<br>Zoo<br>Fred Fish 88<br>replaced by FF89<br>Fred Fish 89<br>AutoEnquirer<br>DEMOLITION<br>DirMaster<br>FunkyKey<br>MoreArt<br>QuickFix<br>RistiNolla<br>Fred Fish 107<br>Csh<br>Diff<br>ProSuite<br>SVTools<br>Fred Fish 108<br>AList<br>DirMaster<br>DOS-Perfect<br>MONIDCMP<br>PrintPop<br>Sectorama<br>Tek<br>Zoo | Less<br>Makemake<br>CAD<br>Random<br>TDebug<br>Units<br>XCOPY<br>Fred Fish 75<br>Bezier<br>BSplines<br>Comm<br>Copy<br>Diff<br>Duto2<br>Eless<br>Fred Fish 91<br>ADL<br>Fred Fish 92<br>As6502<br>Bawk<br>HunkPad<br>Less<br>Ndir<br>Parse<br>Shar<br>SmallLib<br>Ullencode<br>Fred Fish 93<br>Dme<br>MicroEmacs<br>Fred Fish 94<br>AudioTools<br>ClickUpFront<br>HeliosMouse<br>IFF2Ps<br>ModulaTools<br>Terrain 3D<br>Fred Fish 95<br>Cn<br>CygnusEdDemo<br>Gomf<br>Journal<br>MergeMem<br>PrinterStealer<br>Record-Replay<br>Fred Fish 96<br>AnimPlayer<br>Chess<br>HackBench<br>Label<br>LineDrawer<br>PopUpMenu<br>Tek4695<br>TimerAM<br>WarpText<br>Fred Fish 97<br>Fonts<br>AndPaste<br>Graphit<br>Juggler<br>MouseReader<br>Shm<br>Spines<br>Fred Fish 98<br>Asteroids<br>Access<br>Backup<br>DCDemo<br>HdDriver<br>QBase<br>Fred Fish 99<br>A-Render<br>Fred Fish 100<br>Berserk<br>Conman<br>Fred Fish 101<br>ElGato<br>CirPlane<br>Colour<br>MicroAssembler<br>MIDI<br>Pocopy<br>StartUps<br>Fred Fish 102<br>Dbug<br>Match-stuff<br>Sectorama<br>SilIcon<br>Xicon<br>Fred Fish 103<br>AviTrees<br>Calc<br>Cref<br>DeskWk<br>MFBackUp<br>Paint<br>PrDriver<br>SDBackUp<br>Sed<br>wKeys<br>Fred Fish 129<br>DOSKwik<br>MRBackUp<br>Patch<br>Fred Fish 130<br>DirMaster<br>Evo<br>SharpFont<br>Stack<br>BasicProgs<br>Bison<br>DMouse<br>FlankKey<br>GravityWars<br>IPo2C<br>Pere-et-Fils<br>Record-Replay<br>Fred Fish 106<br>FuncKey<br>MoreArt<br>QuickFix<br>RistiNolla<br>Fred Fish 107<br>Csh<br>Diff<br>ProSuite<br>SVTools<br>Fred Fish 108<br>AList<br>DirMaster<br>DOS-Perfect<br>MONIDCMP<br>PrintPop<br>Sectorama<br>Tek<br>Zoo | AmiGazer<br>Cardfile<br>Conman<br>IMandelVroom<br>NewDemos<br>Othello<br>PhtText<br>PrDryGen<br>RainBench<br>ShortCut<br>ShowPrint<br>Sizzlers<br>SpaceAceDemo<br>Timer<br>Fred Fish 91<br>ADL<br>Fred Fish 92<br>As6502<br>Bawk<br>HunkPad<br>Less<br>Ndir<br>Parse<br>Shar<br>SmallLib<br>Ullencode<br>Fred Fish 93<br>Dme<br>MicroEmacs<br>Fred Fish 94<br>AudioTools<br>ClickUpFront<br>HeliosMouse<br>IFF2Ps<br>ModulaTools<br>Terrain 3D<br>Fred Fish 95<br>Cn<br>CygnusEdDemo<br>Gomf<br>Journal<br>MergeMem<br>PrinterStealer<br>Record-Replay<br>Fred Fish 96<br>AnimPlayer<br>Chess<br>HackBench<br>Label<br>LineDrawer<br>PopUpMenu<br>Tek4695<br>TimerAM<br>WarpText<br>Fred Fish 97<br>Fonts<br>AndPaste<br>Graphit<br>Juggler<br>MouseReader<br>Shm<br>Spines<br>Fred Fish 98<br>Asteroids<br>Access<br>Backup<br>DCDemo<br>HdDriver<br>QBase<br>Fred Fish 99<br>A-Render<br>Fred Fish 100<br>Berserk<br>Conman<br>Fred Fish 101<br>ElGato<br>CirPlane<br>Colour<br>MicroAssembler<br>MIDI<br>Pocopy<br>StartUps<br>Fred Fish 102<br>Dbug<br>Match-stuff<br>Sectorama<br>SilIcon<br>Xicon<br>Fred Fish 103<br>AviTrees<br>Calc<br>Cref<br>DeskWk<br>MFBackUp<br>Paint<br>PrDriver<br>SDBackUp<br>Sed<br>wKeys<br>Fred Fish 129<br>DOSKwik<br>MRBackUp<br>Patch<br>Fred Fish 130<br>DirMaster<br>Evo<br>SharpFont<br>Stack<br>BasicProgs<br>Bison<br>DMouse<br>FlankKey<br>GravityWars<br>IPo2C<br>Pere-et-Fils<br>Record-Replay<br>Fred Fish 106<br>FuncKey<br>MoreArt<br>QuickFix<br>RistiNolla<br>Fred Fish 107<br>Csh<br>Diff<br>ProSuite<br>SVTools<br>Fred Fish 108<br>AList<br>DirMaster<br>DOS-Perfect<br>MONIDCMP<br>PrintPop<br>Sectorama<br>Tek<br>Zoo | Fred Fish 109<br>Machine<br>SimCPM<br>UUpc<br>Fred Fish 110<br>A68k<br>Pdc<br>Fred Fish 111<br>AmyLoad<br>AssignDev<br>Gauge<br>HeliosMouse<br>Labels<br>Mandel<br>PopLife<br>Fred Fish 112<br>BeachBirds<br>Bully<br>DropShadow<br>HagenDemos<br>Vicom<br>WaveBench<br>Fred Fish 113<br>AmiCron<br>Dme<br>DropShadow<br>M2Amiga<br>NolconPos<br>Fred Fish 114<br>C100<br>VDraw<br>WBlander<br>Fred Fish 115<br>Killer<br>Marketroid<br>Fred Fish 116<br>Movies<br>Fred Fish 117<br>AMUC_Demo<br>Exp_Demo<br>Fred Fish 118<br>Empire<br>HAMmm<br>AnalytCalc<br>WireDemo<br>Fred Fish 119<br>MicroEMACS<br>Fred Fish 120<br>Amoeba<br>BankGammon<br>Bankr<br>EgyptianRun<br>IconImage<br>Fred Fish 121<br>BasicStrip<br>DataPlot<br>Plot<br>Stairs<br>Uedit<br>WBColors<br>Fred Fish 122<br>HardyIcons<br>IFF2Pcs<br>Names<br>Pr<br>PushOver<br>PuzzlePro<br>Keep<br>Fred Fish 123<br>Arp<br>Car<br>Fred Fish 124<br>Icons<br>Tarot<br>Fred Fish 125<br>ElGato<br>Fred Fish 126<br>Colour<br>Dance<br>HBHill<br>Iconify<br>OnlyAmiga<br>Suplib<br>VCheck<br>Fred Fish 127<br>Bounce<br>Nemesiss<br>Ripples<br>Fred Fish 128<br>Dis<br>DropCloth<br>LeadClock<br>MFBackUp<br>Paint<br>PrDriver<br>SDBackUp<br>Sed<br>wKeys<br>Fred Fish 129<br>DOSKwik<br>MRBackUp<br>Patch<br>Fred Fish 130<br>DirMaster<br>Evo<br>SharpFont<br>Stack<br>BasicProgs<br>Bison<br>DMouse<br>FlankKey<br>GravityWars<br>IPo2C<br>Pere-et-Fils<br>Record-Replay<br>Fred Fish 106<br>FuncKey<br>MoreArt<br>QuickFix<br>RistiNolla<br>Fred Fish 107<br>Csh<br>Diff<br>ProSuite<br>SVTools<br>Fred Fish 108<br>AList<br>DirMaster<br>DOS-Perfect<br>MONIDCMP<br>PrintPop<br>Sectorama<br>Tek<br>Zoo | AsmToolBox<br>Bison<br>IFF2Pcs<br>Paste<br>YaBoingII<br>Zoo<br>Fred Fish 137<br>C<br>JeansIcons<br>Muncho<br>Sit<br>Vgad<br>VirusX<br>VLabel<br>Fred Fish 138<br>AmigaLine<br>Diff<br>Foreach<br>MacFont<br>ModulaTools<br>Vt100<br>Fred Fish 139<br>AmiCron<br>ListScanner<br>ProCalc<br>RemLib<br>TurboBackup<br>WAranger<br>WheelChairSim<br>Fred Fish 140<br>SBProlog V1.a<br>SBProlog V1.b<br>SBProlog V1.c<br>Killer<br>Marketroid<br>Fred Fish 141<br>SBProlog<br>SmallC<br>Fred Fish 142<br>FracGen<br>SciSubr<br>Fred Fish 143<br>.Rim<br>Fred Fish 144<br>Stars<br>Fred Fish 145<br>Csh<br>DMouse<br>DNet<br>Tab<br>TinyProlog<br>Fred Fish 146<br>.Blanker2<br>C-Light<br>CrlLists<br>DmeMacros<br>MemoPad<br>Fred Fish 147<br>MicroGNUEmacs<br>Fred Fish 148<br>EFJ<br>Fme<br>HardyIcons<br>Scrambler<br>Fred Fish 149<br>AnimalSounds<br>DX-VoiceSorter<br>Less<br>Scheme<br>Fred Fish 150<br>AirFoil<br>DC10<br>ExclLib<br>Iconizer<br>Pilot<br>StealMemBoot<br>Fred Fish 151<br>GlobeDemo<br>Icons<br>Iconify<br>OnlyAmiga<br>Suplib<br>VCheck<br>Fred Fish 152<br>Bik<br>RunBack<br>UUCP<br>Fred Fish 153<br>Dme<br>HP11<br>HrMam<br>Synthmania<br>Fred Fish 154<br>Ada<br>AssemblyDemos<br>DiskLib<br>Guardian<br>PrintSpool<br>Utilities<br>VirusX<br>Virus_Alert<br>Wicon<br>Fred Fish 155<br>DirMaster<br>Evo<br>NoSmoking<br>Scenery<br>Fred Fish 156<br>PatEdit<br>QMan<br>Fred Fish 131<br>Dic<br>Go64<br>HyperBase<br>Life<br>Mackie<br>Mg1b<br>WFrags<br>Fred Fish 132<br>Berserk<br>Fred Fish 133<br>Conman<br>Crc<br>Crlists<br>Overscan<br>Fred Fish 134<br>BoingThrows<br>Browser<br>Dme<br>MSDOS<br>PCBTool<br>ScreenX<br>TaskX<br>VirusX<br>YachtC3<br>Fred Fish 159 |
|--|---|--|--|--|--|--|---|---|

# Fred Fish Index

|  |   |  |   |   |   |   |   |   |
|--|---|--|---|---|---|---|---|---|
| Free<br>MIDITools<br>StarChart<br>TaskControl<br>TUC | Zippy<br>Fred Fish 176<br>AnalytCalc<br>HyperNet<br>Fred Fish 177 | Fred Fish 204<br>FileReq<br>GnuGrep<br>HAMCU<br>Image-Ed<br>JPClock<br>MouseBounce<br>Obag<br>PopDir<br>PopInfo<br>Teacher<br>Fred Fish 205<br>AmioForm<br>BlackBox<br>CIATimer<br>Cosmic<br>Fred Fish 206<br>Brownian<br>Hawk<br>NetWork<br>MamFlick<br>PeX<br>StereoDemo<br>Triple | Diff<br>File<br>NoClick2<br>Plot<br>Sed<br>Fred Fish 232<br>Ballylil<br>Obag<br>ReSourceDemo<br>Fred Fish 233<br>Brik<br>CacheCard<br>CrcLists<br>Fred Fish 234<br>KwikBackUp<br>MuchMore<br>GatspDir<br>PrintIt<br>WBPic<br>XHair<br>Fred Fish 235<br>CalcKey<br>Ct<br>MirrorWars<br>Fred Fish 236<br>AmigaBench<br>DiskHandler<br>Heart3D<br>Ls<br>Fred Fish 210<br>Calc<br>LabelPrint<br>NulHand<br>Fred Fish 211<br>CType<br>StripCR<br>PlusCR<br>StripLF<br>Fred Fish 212<br>Alice<br>DiskSalv<br>DogsWorld<br>Fred Fish 213<br>Cucug<br>DMouse<br>LabelPrint<br>Fred Fish 214<br>ArcPrep<br>MandelVroom<br>MemDiag<br>RunBack<br>SmartIcon<br>Fred Fish 215<br>MandelVroom<br>Fred Fish 216<br>BackDrop<br>C84Emul<br>MouseUtil<br>Print<br>VacBench<br>World<br>Fred Fish 217<br>AntiCBS<br>Echo<br>Fred Fish 186<br>InstallBeep<br>A68K<br>CardsO'Rama<br>Q12<br>SimCPM<br>Fred Fish 187<br>DiskLib<br>Mandel<br>Maze<br>PcPatch<br>Scanner<br>Worm<br>Fred Fish 219<br>Dirdi<br>ExecDls<br>FastGlo<br>FracGen<br>MemoryClock<br>MinReax<br>Nul<br>TextDisplay<br>Fred Fish 189<br>Mackie<br>NetHack<br>Uedit<br>Fred Fish 190<br>GaryIcons<br>LB2MImage<br>NetHack<br>Fred Fish 191<br>BillLab<br>Bik<br>FileBootBlock<br>Spell<br>Pz15<br>Fred Fish 192<br>Eval<br>PacMan87<br>ReSourceDemo<br>Fred Fish 193<br>KeyMapEd<br>Zc<br>Fred Fish 194<br>Moria<br>Fred Fish 195<br>MicroEMACS<br>Fred Fish 196<br>HamPics<br>Fred Fish 197<br>CTags<br>Find<br>FixHunk<br>Nro<br>Stevie<br>Fred Fish 198<br>Charon<br>Fred Fish 199<br>ASimplex<br>Csh<br>MIDISoft<br>Pyro<br>SnpDemo<br>Viewer<br>Fred Fish 200<br>NotBoingAgain<br>Tank<br>Fred Fish 201<br>Draco<br>DropCloth<br>Fred Fish 202<br>SlavicFonts<br>Fedup<br>FileIt<br>NComm<br>PwHindr<br>Quattro<br>Isam<br>Fred Fish 231 | ASimplex<br>Gravity-Well<br>Paranoids<br>RPSC<br>Fred Fish 251<br>Debug<br>DiskSalv<br>DiskSpeed<br>Linstrom<br>Monopoly<br>RoadRoute<br>Fred Fish 252<br>CrossDOS<br>TrekTrivia<br>Zc<br>Fred Fish 253<br>FullReset<br>FullSlide<br>SensoPro<br>WatchMan<br>Fred Fish 254<br>ARPTools<br>Back<br>Dme<br>FileTest<br>IconTools<br>RecurDir<br>Fred Fish 255<br>AvailMem<br>DynaShow<br>Liner<br>MSizer<br>Plasma<br>Rubik<br>Fred Fish 286<br>CCutlis<br>MED<br>RolandD110<br>SunMaze<br>Fred Fish 256<br>BITDemons<br>NameGame<br>Stevie<br>Fred Fish 257<br>ColorReq<br>FileO<br>Vil<br>Fred Fish 258<br>Backup<br>DMouse<br>STRplay<br>Suplib<br>Fred Fish 259<br>EFJ<br>Fred Fish 260<br>Accordian<br>Calculation<br>CLib<br>JustBeeps<br>Mandelbrot<br>NeuralNet<br>Tetra<br>Fred Fish 240<br>CrossDOS<br>Indent<br>Jumble<br>Lotto<br>QMouse<br>QView<br>WorldDataBank<br>Fred Fish 263<br>Sentinel<br>Fred Fish 264<br>Sentinel<br>Fred Fish 265<br>VAUX-Killer<br>Fred Fish 266<br>VAUX-Killer<br>Fred Fish 267<br>Diglib<br>Mackie<br>Fred Fish 268<br>GnuGrep<br>Lharp<br>Kilde<br>OnlyAmiga<br>Fred Fish 269<br>Calendar<br>ChessTutor<br>PropGadget<br>RadBoogie<br>ShowDisk<br>SpinPointer<br>Fred Fish 270<br>Circ<br>MRBackUp<br>TooMuch3D<br>Fred Fish 271<br>CPUSandoff<br>LaserBoing<br>Fred Fish 272<br>AmigaPunt<br>Balloon<br>Spigot<br>SizeChecker<br>TextDisplay<br>XColor<br>Fred Fish 274<br>HP11<br>KeyBiz<br>LookFor<br>SlideMaster<br>Snap<br>Xoper<br>Fred Fish 275<br>V100<br>Fred Fish 276<br>Blit<br>ClickDOS<br>DateRequaster<br>Fred Fish 277<br>ARTMARTM<br>Icon<br>LabelPrint<br>LPE<br>Fred Fish 278<br>AmigaTrek<br>ASpice<br>Frag<br>Fred Fish 279<br>Ash<br>MouseClock<br>MRPrint<br>Fred Fish 280<br>Berserker | CM<br>Graph<br>Fred Fish 281<br>Diff<br>DiffDir<br>FarPrint<br>LoadImage<br>MRAAPFile<br>MRFam<br>Fred Fish 282<br>Fenster<br>PrintHandler<br>RCS<br>Fred Fish 283<br>Brel<br>CWMDemo<br>FullReset<br>MarbleSlide<br>SensoPro<br>WatchMan<br>Fred Fish 284<br>ARPTools<br>Back<br>Dme<br>FileTest<br>IconTools<br>RecurDir<br>Fred Fish 285<br>AvailMem<br>DynaShow<br>Liner<br>MSizer<br>Plasma<br>Rubik<br>Fred Fish 286<br>CCutlis<br>MED<br>RolandD110<br>SunMaze<br>Fred Fish 256<br>BITDemons<br>NameGame<br>Stevie<br>Fred Fish 257<br>ColorReq<br>FileO<br>Vil<br>Fred Fish 258<br>Backup<br>DMouse<br>STRplay<br>Suplib<br>Fred Fish 259<br>EFJ<br>Fred Fish 260<br>Accordian<br>Calculation<br>CLib<br>JustBeeps<br>Mandelbrot<br>NeuralNet<br>Tetra<br>Fred Fish 240<br>CrossDOS<br>Indent<br>Jumble<br>Lotto<br>QMouse<br>QView<br>WorldDataBank<br>Fred Fish 263<br>Sentinel<br>Fred Fish 264<br>Sentinel<br>Fred Fish 265<br>VAUX-Killer<br>Fred Fish 266<br>VAUX-Killer<br>Fred Fish 267<br>Diglib<br>Mackie<br>Fred Fish 268<br>GnuGrep<br>Lharp<br>Kilde<br>OnlyAmiga<br>Fred Fish 269<br>Calendar<br>ChessTutor<br>PropGadget<br>RadBoogie<br>ShowDisk<br>SpinPointer<br>Fred Fish 270<br>Circ<br>MRBackUp<br>TooMuch3D<br>Fred Fish 271<br>CPUSandoff<br>LaserBoing<br>Fred Fish 272<br>AmigaPunt<br>Balloon<br>Spigot<br>SizeChecker<br>TextDisplay<br>XColor<br>Fred Fish 274<br>HP11<br>KeyBiz<br>LookFor<br>SlideMaster<br>Snap<br>Xoper<br>Fred Fish 275<br>V100<br>Fred Fish 276<br>Blit<br>ClickDOS<br>DateRequaster<br>Fred Fish 277<br>ARTMARTM<br>Icon<br>LabelPrint<br>LPE<br>Fred Fish 278<br>AmigaTrek<br>ASpice<br>Frag<br>Fred Fish 279<br>Ash<br>MouseClock<br>MRPrint<br>Fred Fish 280<br>Berserker | IRA<br>Lines<br>Mean18<br>Multic<br>PageCnt<br>Skel<br>SuperRelLab<br>Verify<br>Fred Fish 305<br>LVR<br>LhArc<br>Fred Fish 306<br>LhArc<br>Life<br>RexxPIPlot<br>Tree<br>Fred Fish 307<br>DisaDemos<br>FileO<br>Fred Fish 308<br>FRAQ<br>ScreenShare<br>StarBlanker<br>Vil<br>Fred Fish 309<br>Bird<br>Cah<br>Sklsh<br>Fred Fish 310<br>Mon<br>UUCP<br>Fred Fish 311<br>CRobots<br>Echo<br>Utime<br>Fortune<br>Incr<br>PKAZip<br>Update<br>Fred Fish 312<br>ChinaChallenge<br>LhArc<br>Moonbase<br>TrackSalve<br>Fred Fish 313<br>UUCP<br>Fred Fish 314<br>Zc<br>Fred Fish 315<br>AmigaFox<br>Drawmap<br>Sun<br>Fred Fish 316<br>Formulae<br>IF2C<br>IntuiSup<br>Life<br>SmartIcon<br>Vectors<br>Fred Fish 317<br>StillStore<br>Uniq<br>Fred Fish 318<br>CNewsBin<br>Lharp<br>PKAZip<br>WaveMaker<br>Xoper<br>Fred Fish 319<br>AHDM<br>CNewsBin<br>Mathtrans<br>Fred Fish 320<br>AmigaTrek<br>Fred Fish 321<br>DexHexBin<br>IconJ<br>Its<br>Planets<br>Turtle<br>UnixDlrs<br>Wharrels<br>Fred Fish 322<br>Gwin<br>Fred Fish 323<br>ColorTools<br>CZED<br>Mailchik<br>LinkSound<br>Show<br>Fred Fish 324<br>ANSIED<br>DiskFree<br>DPFFT<br>Fred Fish 325<br>Rxl<br>ScensGenDemo<br>Yacc<br>Fred Fish 300<br>SuperEcho<br>TACL<br>TitleGen<br>XenoZap<br>Fred Fish 301<br>Aquarium<br>ILILB<br>UeditUpdate<br>Fred Fish 302<br>Chop<br>DiskTalk<br>MiscUtils<br>Fred Fish 303<br>CPM<br>DEM<br>Demon<br>FixIcons<br>IceFrac<br>Rocker<br>ScreenZap<br>SnowFall<br>Fred Fish 304<br>Circles<br>DocSplit<br>Gears | Mostra<br>Palette<br>V100<br>YoxKermit<br>Fred Fish 331<br>CRobots<br>Csh<br>H2EX<br>LhArc<br>LVR<br>NTSC-PAL<br>PatchLoadSeg<br>VirusUtlis<br>Fred Fish 332<br>AniPtrs<br>DevPatch<br>K1_Editor<br>Kryptor<br>RevBut<br>Fred Fish 333<br>MultiPlot<br>Fred Fish 334<br>FBM<br>PPMore<br>PPShow<br>WhatIs<br>Fred Fish 335<br>StarBlanker<br>DTC<br>SeeHear<br>Fred Fish 336<br>Car<br>FileWind<br>MinBlas<br>Fred Fish 337<br>CManual<br>Utime<br>Fred Fish 338<br>Cp<br>SASTools<br>SID<br>Fred Fish 339<br>PCQ<br>Fred Fish 340<br>NorthC<br>PiPlot<br>SpeakerSim<br>Fred Fish 341<br>P2C<br>Fred Fish 342<br>IG<br>Sklsh<br>Softfont<br>Fred Fish 343<br>SnakePit<br>SoftSpan<br>StockBroker<br>Fred Fish 344<br>Keyboard<br>RKMCompanion<br>Fred Fish 345<br>CRobots<br>Du<br>GisImage<br>MemFrag<br>Roses<br>Unshar<br>VeEd<br>X2X<br>Fred Fish 346<br>LinkX<br>CasseEti<br>FME<br>GoWB<br>PacketSupport<br>PatchNTSC<br>TextPaint<br>TimeTest<br>WBD<br>Fred Fish 347<br>Cursor<br>DexHexBin<br>Fred Fish 348<br>ColorReq<br>DisEditor<br>DisSecretary<br>FileO<br>ILBLILB<br>InstaILILB<br>SAMP<br>Fred Fish 349<br>MED<br>Fred Fish 350<br>Icons<br>MemMometer<br>Sitchery<br>TrackUtlis<br>FF351<br>PTDC<br>FF352<br>MG<br>PTrintHandler<br>TreeWalk<br>FF353<br>FAM<br>FarPrint<br>KeyMacro<br>LifeCycles<br>MemGuard<br>RexxHotLib<br>Fred Fish 326<br>CSDump<br>MXMLB<br>lib<br>MicroTerm<br>NeuralNet<br>PopScreen<br>Snap<br>VSnip<br>Fred Fish 327<br>ARTM<br>MM<br>MRBackUp<br>Msh<br>Softfont<br>FF358<br>Fred Fish 328<br>AnalytCalc<br>Hames<br>RoadRoute<br>Fred Fish 329<br>CPU<br>DiskSpeed<br>ViewDir<br>FF359<br>ABridge<br>DICE | TextPTlus<br>FF360<br>UUCPT<br>FF361<br>Brush_4D<br>FileMaster<br>TextPaint<br>Turn<br>XColorLib<br>FF362<br>ArchEdge<br>Fenster<br>ImPTerium_Romanum<br>KeyMem<br>MemRoutines<br>PTUZZ<br>Rubik<br>sMOVIE<br>FF363<br>BootBase<br>LabelPrint3.5<br>MgaMind<br>PTLW<br>RandSam<br>SamPTScanner<br>WO<br>FF364<br>AniPTrs2<br>DPT<br>Iconaholism<br>MemLook<br>SNAG_Pointers<br>FF365<br>Badger<br>DmeAem<br>EasyBackupPT<br>EasyMouse<br>PTassword<br>View80<br>FF366<br>3DTicTacToe<br>DisError<br>IntuiFace<br>LoanCalc<br>Makewords<br>MemMeter<br>NDebt<br>PTrintStudio<br>FF367<br>Enigmas<br>GWPTrint<br>HyPterDialer<br>SCM<br>SuPterView<br>Tricky<br>FF368<br>Elements<br>GraPThicsPak<br>Lila<br>ListWindow<br>NewEx<br>PToPTMenu<br>SuPterMenu<br>Sysinfo<br>Today<br>FF369<br>AQData<br>FIPT<br>Fortune<br>SPT<br>VAXterm<br>XPTTransmit<br>FF370<br>Sklsh<br>FF371<br>Fractals<br>LockDevice<br>PTor2<br>PTPTLib<br>PTPTMore<br>PTPTShow<br>PTPTTYPTe<br>FF372<br>Magnetic_PTages<br>PTLW<br>RemaPTIcon<br>FF373<br>MultiPTio<br>FF374<br>IPTDevic<br>Mat<br>PTToPTAr<br>SoftSPTan<br>FF375<br>SI<br>CardMaker<br>PTArM<br>TextPTlus<br>FF376<br>AztecArPT<br>PTTolter<br>ToolLibrary<br>FF377<br>AnsiRead2<br>Formater<br>Icon2C<br>IE<br>IntuitionEd<br>PTowerLOGO<br>FF378<br>AdaPT1<br>ANSIMaster<br>DevRen<br>JoyLib<br>Machill<br>MuchMore<br>Observer<br>TheGuru<br>FF379<br>APTPTend<br>FileEncryPT<br>LLSort<br>TheAS6PTackage<br>Xnum<br>Yawn!<br>FF380<br>Oberon<br>FF381<br>Sklsh<br>FF382<br>CrossDOS<br>Msh<br>FF383<br>LhArc<br>LibraryKiller |
|--|---|--|---|---|---|---|---|---|

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How to Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# Fred Fish Index

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| <b>Fred Fish FRS Index</b>            |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

|  |   |  |   |  |  |   |
|--|---|--|---|--|--|---|
| FF384<br>Copy<br>Contact<br>Elements<br>NorthC<br>FF385<br>MortCalc<br>XLispStat<br>FF386<br>Statpack<br>XLispStat<br>FF387<br>SlitterSand<br>ExtFuncProc<br>GMC<br>H2I<br>MandAnim<br>MandelBlitz<br>Menu<br>NTSC-PAL<br>Wreq<br>FF388<br>Calc<br>DClock<br>DIED<br>Free<br>KeyMapEd<br>SnoopDos<br>FF389<br>Kick<br>Plot<br>PolySys<br>Ratab<br>ZPlot<br>FF390<br>Flip<br>ReadmeMaster<br>STClock<br>SM<br>FF391<br>Curses<br>Eco<br>FractalLab<br>ListPlot<br>FF392<br>BTNTape<br>CPlot<br>SeiNoClick<br>SeiNoClick<br>SeiNoClick<br>FF393<br>FileIO<br>FontConvert<br>FuncLib<br>ILBMLib<br>LibTool<br>PrintSpool<br>RexxIntuition<br>RexxLib<br>'Liner<br>FF394<br>Anipr3s<br>Pics<br>PrintImage<br>FF395<br>DragonCave<br>FF396<br>Reqlib<br>NewLock<br>PBar<br>PCalendar<br>PClock<br>PFilter<br>Resident<br>RoadRoute<br>TurboTopaz<br>FF397<br>DKBTrace<br>FF398<br>DClock<br>Formatter<br>GMC<br>HunkFunk<br>KeyMacro<br>FF399<br>AmiCLI<br>CCLib<br>PrettyWindows<br>TrackDisplay<br>FF400<br>DriveWars<br>PortNet<br>Reqlib<br>SetCPU<br>SF2<br>FF401<br>CrcLists<br>HappySong<br>FF402<br>ADoc<br>Pcopy<br>PLW<br>PrintStudio<br>StuFile<br>FF403<br>FixDisk<br>KawaiEditor<br>NiftyTerm<br>PokerDemo<br>RexxHostLib<br>FF404<br>LHarc<br>NGTC<br>FF405<br>GIFMachine<br>NGTC<br>FF406<br>ATCopy<br>DirWork<br>DMS<br>GnuAwk<br>GnuGrep<br>MacBlanker<br>FF407<br>DMouse<br>Flex<br>WonderSound<br>FF408<br>DCmd<br>KickDate<br>MonDie<br>Post<br>FF409<br>Trek<br>FF410<br>MechFight<br>VIT<br>FF411<br>A68Kex | BPDI<br>DiskPrint<br>Mind<br>PCStatus<br>Tron<br>FF412<br>AutoAddRAM<br>Check4Mem<br>CopperBars<br>CopperMaster<br>DirectoryOpus<br>FAClock<br>FullView<br>Image-Ed<br>JoyMouse<br>JPDirUtil<br>NoReq<br>OSK<br>Popino<br>SuperPlay<br>SwapName<br>TicTacToe<br>ZeroVirus<br>FF413<br>Aerotoons<br>Juggette<br>FF414<br>Anims<br>Din<br>Lila<br>PPAnim<br>PFLib<br>Wrap<br>FF415<br>CBBS<br>FileTypes<br>Uedit<br>FF416<br>Budget<br>Clock<br>Intoxicated<br>Quantizer<br>SoundEditor<br>Utils<br>WTF<br>FF417<br>Alert<br>Coyote<br>DataEasy<br>MemLook<br>MostCurrent<br>Quiz<br>WBGauge<br>Whats<br>FF418<br>AtMovies<br>BootCACHE<br>LJP<br>ModulaDels<br>PSX<br>Running<br>ScreenX<br>FF419<br>ParM<br>ReqlAztec<br>Reqlib<br>SetColors<br>Yacc<br>FF420<br>BootX<br>IIF2Sic<br>MenuWriter<br>MWTape<br>ShowGadgets<br>SpaceWar<br>SysInfo<br>TDDDD<br>WinMan<br>FF421<br>DMouse<br>EZAsm<br>NoVirus<br>Zon<br>FF422<br>Gravity<br>Imploder<br>PopUpMenu<br>SystemTracer<br>TrackDOS<br>TrackTrivia<br>FF423<br>Hollywood<br>LDCalc<br>Pogo<br>SeiRamsey<br>FF424<br>AutoCLI<br>MED<br>TurboTitle<br>FF425<br>A-Gene<br>CheckBook<br>Downhill<br>HeadGames<br>FF426<br>Conman<br>Metro<br>RickParksArt<br>FF427<br>BlackJack<br>Cyrillic<br>STV<br>FF428<br>BCBMusic<br>Circuits<br>ShadowMaker<br>Train<br>WonderSound<br>FF429<br>ATCopy<br>CLimax<br>Dr<br>FixCLI<br>MoveSYS<br>RunBack<br>Scrub<br>Timer<br>Trippin<br>Uedit-Stuff<br>V<br>FF430<br>Lotto<br>Pointer<br>Sculpt<br>SmartFields<br>FF431<br>A68Kex | AdvTemplates<br>CheetSheet<br>EZAsm<br>FF432<br>APalAsm<br>Badger7<br>Conquest<br>FifoDav<br>Reader<br>SBackup<br>TMonth<br>Whence<br>FF433<br>DiskPrint<br>Gwin<br>SysInfo<br>FF434<br>Backup<br>DynaCADD<br>GMC<br>TypingTutor<br>FF435<br>DeluxeBeep<br>DynaCADD<br>Labeler<br>FF436<br>AztecArp<br>BatchRequester<br>Berserker<br>Input<br>KeyMacro<br>SMail<br>LHLib<br>MMB<br>MT420d<br>Zoom<br>FF437<br>CLiWindow<br>Flip<br>FMouse<br>PatchCompiler<br>WaitAnyKey<br>FF438<br>GadgetED<br>MenuC<br>ToolLib<br>ToolLib<br>FF439<br>AIBB<br>Curses<br>DeluxeChanger<br>HDClick<br>M2Utils<br>FF440<br>3DPlot<br>DMake<br>Lz<br>MRBackUp<br>TextPlus<br>FF441<br>Deksid<br>DiskPrint<br>Dme<br>FF442<br>ToolManager<br>UUCP<br>FF443<br>DICE<br>UUCP<br>FF444<br>ChinaChallenge<br>EliteBBS<br>MissileCmd<br>RegExpLib<br>UltraF-4<br>FF445<br>MWTape<br>OptMouse<br>Tar<br>TurboText<br>UUCP<br>FF446<br>CanonBJ<br>GamePort<br>Input<br>PointerLib<br>Post<br>FF447<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF448<br>AmigaPet<br>FifoDev<br>Mkid<br>NightMare<br>OnTime<br>PicToANSI<br>SolitaireX<br>ST2Amiga<br>Swish<br>FF449<br>Globulus<br>Handshake<br>IIF2Ansi<br>Shazam<br>WonderSound<br>FF450<br>AmyVsWalker<br>MinRexx<br>Tabu<br>UUCP<br>'Liner<br>FF451<br>Convert<br>PrcDrivers<br>RCS<br>RRamDisk<br>SnoopDms<br>FF452<br>Budget<br>FLOCDemo<br>ImageLab<br>MandelPAUG<br>FF453<br>AmigaTration<br>Lemmings<br>PrigMot<br>Quick<br>FF454<br>Decigel<br>Enforcer<br>Redaktu<br>SuiStore<br>Vortex<br>FF455<br>AngusCopy<br>ConvMacF | MemMon<br>Vlt<br>FF456<br>CheatSheet<br>CManual<br>FF457<br>CManual<br>Line<br>QuickReq<br>FF458<br>ATCopy<br>Csh<br>GIFMachine<br>TeXify<br>FF459<br>AmiDock<br>Conquest<br>Rngan<br>XprZmodem<br>Zoom<br>FF460<br>JMenu<br>NetHack<br>ShadowMaker<br>FF461<br>DIFrags<br>DiskPrint<br>Logic<br>MandAnim<br>NewList<br>SMail<br>TDraw<br>FF462<br>CacheDisk<br>DisTerm<br>Humaria<br>SeaLance<br>Up&Down<br>FF463<br>ExecRexx<br>FileIO<br>ILBM<br>LibTool<br>RexxIntuition<br>RexxLib<br>FF464<br>Cross<br>FileWindow<br>PictureEditor<br>Scan<br>FF465<br>FCS<br>Lz<br>MRBackUp<br>TextPlus<br>FF466<br>DICE<br>HamLabDemo<br>Mosaic<br>StopWatch<br>FF467<br>Multiplot<br>PowerSnap<br>FF468<br>AnalyticCalc<br>Vlt<br>FF469<br>AvailMem<br>DU<br>GodsDemo<br>MemMometer<br>Ruler<br>FF470<br>AutoActivate<br>Back&Front<br>CenterScreen<br>ChangeColors<br>LeftyMouse<br>MouseAccol<br>MouseBlanker<br>NewShellCX<br>NLCalc<br>NLDaemon<br>Reboot<br>Request<br>WindowShuffle<br>FF471<br>BigBrother<br>CNewsSrc<br>Family_Sol<br>MissileCmd<br>FF472<br>Acquplot<br>AmiDock<br>CrcLists<br>Enforcer<br>Impertum<br>FF473<br>AssignX<br>Blankette<br>CITAS<br>GadgetED<br>ToolLib<br>FF474<br>Acquplot<br>AmiDock<br>CrcLists<br>Enforcer<br>Impertum<br>FF475<br>AssignX<br>Blankette<br>CITAS<br>GadgetED<br>ToolLib<br>FF476<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF477<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF478<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF479<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF480<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF481<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF482<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF483<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF484<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF485<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF486<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF487<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF488<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF489<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF490<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF491<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF492<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF493<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF494<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF495<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF496<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF497<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF498<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF499<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF500<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF501<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF502<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF503<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF504<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF505<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF506<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF507<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF508<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL<br>FF509<br>AmiBack<br>BackPac<br>DFC<br>FlashBack<br>SMAN<br>TCL | Multi_Player<br>PCKeyMap<br>Fred Fish 510<br>ATCopy<br>SYNWORKS<br>Vlt<br>Fred Fish 511<br>Connex<br>DirWork<br>Less<br>OneKey<br>PCQ<br>Solitaire<br>Viewer<br>Fred Fish 512<br>Csh<br>FlipIt<br>M2Pascal<br>Solitaire<br>Fred Fish 513<br>DKBTrace<br>NewList<br>Fred Fish 514<br>DKBTrace<br>GearCalc<br>S220t8SVX<br>PF<br>RPN<br>Fred Fish 515<br>CheckBook<br>D110EdDemo<br>PP<br>Fred Fish 516<br>SatCOPTS<br>Fred Fish 517<br>AVLSort<br>ChkFrag<br>FileLib<br>PPTYPE<br>RemapInfo<br>Selector<br>TheGuru<br>VCLi<br>Fred Fish 518<br>AmiDock<br>Lister<br>Post<br>Fred Fish 519<br>AVLSort<br>ChkFrag<br>FileLib<br>PPTYPE<br>RemapInfo<br>Selector<br>TheGuru<br>VCLi<br>Fred Fish 520<br>IOBoard<br>OakLisp<br>Fred Fish 521<br>AudioScope<br>BatchMaster<br>CheckPrt<br>K1<br>LandScape<br>SynthSong<br>T3E<br>Fred Fish 522<br>MAK<br>Fred Fish 523<br>BMake<br>Conquest<br>PSGGraph<br>ScreenJaeger<br>SerLib<br>Fred Fish 524<br>Kamin<br>Snap<br>TAPIDemo<br>Fred Fish 525<br>CrcLists<br>DumpHarpoon<br>MinixDemo<br>SIOD<br>Icons<br>Fred Fish 526<br>DataEasy<br>GNUPlot<br>Fred Fish 527<br>Arq<br>Lister<br>MightyMouse<br>PicBase<br>SRegExp<br>ToolManager<br>Zoo<br>Fred Fish 528<br>Diglib<br>AmiOmiga<br>CpuBlt<br>FontConv<br>KeyMenu<br>SimSmart<br>Fred Fish 529<br>Bugs<br>FFEX<br>FontList<br>M2Icons<br>MouseMagic<br>Reversi<br>Fred Fish 530<br>DeckBrowser<br>Dme<br>TurboTitle<br>Fred Fish 531<br>BeBopDemo<br>Icalc<br>Fred Fish 532<br>CaligariDemo<br>DisDF<br>FileSearch<br>Grafitti<br>PopulousKeys<br>Fred Fish 533<br>BootPic<br>DataPlot<br>SCSIIMounter<br>SCSIPrefs<br>TrainerMaker<br>Fred Fish 534<br>BootGen<br>Conquest<br>Convert<br>DosManager<br>Icons<br>OctaMEDDemo<br>VtSt<br>Fred Fish 534<br>Term<br>Fred Fish 535<br>Accent<br>SubAttack<br>BizCalc<br>Format<br>FracBlank<br>Icon<br>Fred Fish 536<br>Chemistics<br>IncRev<br>Fred Fish 537<br>AntiBorder<br>BoxGames<br>CHIP8<br>Cross<br>F0<br>PaulCopy<br>PBlanker<br>SMUSMIDI<br>ZShell<br>Fred Fish 538<br>BCBMusic<br>MatLabPatch<br>NGTC<br>Fred Fish 539<br>Hacker<br>PF<br>RPN<br>SimpleRexx<br>Uedit<br>VLTimer<br>Fred Fish 540<br>Browser<br>CLIExe<br>ParM<br>PatchReq<br>Reg<br>SANA<br>SetColors<br>WBRUN<br>Fred Fish 541<br>4D<br>GIFMachine<br>Vlt<br>Hex<br>RussianFonts<br>Spliner<br>Fred Fish 542<br>BootX<br>ChamniMaTe<br>Aloud<br>PowerSnap<br>PP<br>PPAnim<br>PPLoadSeg<br>PPMore<br>PPShow<br>PPTYPE<br>RemapInfo<br>Selector<br>TheGuru<br>VCLi<br>Fred Fish 543<br>AudioScope<br>BatchMaster<br>CheckPrt<br>K1<br>LandScape<br>SynthSong<br>T3E<br>Fred Fish 544<br>AWP<br>EraseDisk<br>LanderGame<br>RaidGame<br>TurboGIF<br>ZScroll<br>Fred Fish 545<br>TAPIDemo<br>Fred Fish 546<br>2View<br>Budget<br>DiskPrint<br>DSound<br>Icons<br>WBLink<br>GNUPlot<br>Fred Fish 547<br>EasyExpress<br>FindName<br>MMBShift<br>RMBShift<br>VideoMaxe<br>View<br>Fred Fish 548<br>FreePaint<br>LabelMaker<br>MambalMove<br>MultiInstall<br>SandGlass<br>TG<br>Fred Fish 549<br>Bugs<br>FFEX<br>FontList<br>M2Icons<br>MouseMagic<br>Reversi<br>Fred Fish 550<br>TurboTitle<br>Fred Fish 551<br>BeBopDemo<br>Icalc<br>Fred Fish 551<br>CWeb<br>ToolManager<br>WBGauge<br>Fred Fish 552<br>DataPlot<br>TaskPri<br>TSFSuite<br>Fred Fish 553<br>Z44<br>AddMenu<br>AutoCLI<br>FAFF<br>RoadRoute<br>SysInfo<br>Fred Fish 554<br>Amastermind<br>IFSGen<br>Landmine<br>Landscape<br>LVD<br>SubAttack<br>Fred Fish 555<br>EasyColor<br>FED<br>FlashCopy | HPMode<br>RMSHift<br>TheA64Package<br>Fred Fish 556<br>ASMOneDemo<br>Scheme2C<br>VirusChecker<br>Fred Fish 557<br>AutoCentre<br>DPatch<br>Warp Speed<br>Fred Fish 558<br>BTNPatch<br>DisDF<br>Scheme2C<br>Fred Fish 559<br>Addresser<br>APIG<br>Aquarium<br>RexxRMF<br>Fred Fish 560<br>BootX<br>Liamatron<br>MuchMore<br>STScan<br>Fred Fish 561<br>PPLib<br>PPMore<br>PPShow<br>ReqTools<br>SuperDuper<br>ToolsDeamon<br>Fred Fish 562<br>CLIsizer<br>Degradier<br>Filer<br>FKeys<br>Intulisp<br>ShowGuru<br>Fred Fish 563<br>bBasil<br>Kort<br>M2Midi<br>Menu2Asm<br>MidKeyboard<br>RegLibrary<br>Fred Fish 564<br>Aloud<br>PowerSnap<br>PP<br>PPAnim<br>PPLoadSeg<br>PPMore<br>PPShow<br>PPTYPE<br>RemapInfo<br>Selector<br>TheGuru<br>VCLi<br>Fred Fish 565<br>AWP<br>EraseDisk<br>LanderGame<br>RaidGame<br>TurboGIF<br>ZScroll<br>Fred Fish 566<br>TAPIDemo<br>Fred Fish 567<br>2View<br>Budget<br>DiskPrint<br>DSound<br>Icons<br>WBLink<br>GNUPlot<br>Fred Fish 568<br>EasyExpress<br>FindName<br>MMBShift<br>RMBShift<br>VideoMaxe<br>View<br>Fred Fish 569<br>FreePaint<br>LabelMaker<br>MambalMove<br>MultiInstall<br>SandGlass<br>TG<br>Fred Fish 570<br>Bugs<br>FFEX<br>FontList<br>M2Icons<br>MouseMagic<br>Reversi<br>Fred Fish 571<br>AutoCLI<br>CPUSET<br>Gwin<br>MemClear<br>SysInfo<br>Fred Fish 572<br>CrossFade<br>Multiplot<br>ResetHandler<br>WBStart<br>Fred Fish 573<br>MathPlot<br>MTOLLibrary<br>Paragon<br>Rathello<br>Fred Fish 574<br>Plotter<br>Fred Fish 575<br>Chemistics<br>MKSLens<br>Fred Fish 576<br>AmigaTNTSC<br>DataPlot<br>ReqTools<br>Fred Fish 577<br>Analyzer<br>Budget<br>Ternil<br>Fred Fish 578<br>LHA<br>OwnDevUnit<br>PetersQuest<br>TurboQuantum<br>Fred Fish 579<br>BinToHunk<br>Cass<br>OctaMED<br>Fred Fish 580<br>WorldDataBank<br>Fred Fish 581<br>FileLocator<br>Neuro<br>Prism<br>StopWatch<br>StripANSI<br>Fred Fish 582<br>Diplomacy<br>Questionator<br>VideoDat<br>Fred Fish 583<br>ARoff<br>ATbl<br>CPUSET | SuperLock<br>SuperSpell<br>SysInfo<br>TIEdit<br>WorldTime<br>Fred Fish 584<br>DataPlot<br>Electron<br>EnvPrint<br>JPFWizard<br>Revised<br>TextStat<br>WizardClock<br>WizardFilter<br>Fred Fish 585<br>RayDance<br>Fred Fish 586<br>Azmake<br>BlackHole<br>Opus8<br>TheGallows<br>Tree4D<br>Fred Fish 587<br>ConLib<br>GMC<br>TKMPB<br>Fred Fish 588<br>FileLib<br>FileBlank<br>MandelSquare<br>Fred Fish 589<br>Term<br>Fred Fish 590<br>Crystals<br>Equilog<br>MICE<br>Seeker<br>SuperDuper<br>Fred Fish 591<br>MonopolySrc<br>Vim<br>Fred Fish 592<br>CirclesUp<br>EZAsm<br>LAZI<br>NumbersUp<br>PublicService<br>QuickTrans<br>Star<br>Fred Fish 593<br>AnalyRim<br>Elements<br>PicPak<br>PicSaver<br>WindowTiler<br>Fred Fish 594<br>AnalyRimSrc<br>Cube4<br>Fred Fish 595<br>ClibSave<br>IconSwap<br>P-Compress<br>P-Reader<br>P-Writer<br>Fred Fish 596<br>RayShade<br>ToolTypeWatch<br>Fred Fish 597<br>GoLD<br>IconTools<br>NewList<br>ScudBuster<br>ShadowMaster<br>ThinFonts<br>Fred Fish 598<br>ANSI<br>FX-01<br>Parse<br>TX81Z<br>Fred Fish 599<br>DBUG<br>InBuff<br>MailMerge<br>MoG<br>PrLabel<br>RxlShell<br>Fred Fish 600<br>Multiplot<br>ResetHandler<br>WBStart<br>Fred Fish 601<br>Alpice<br>Intulisp<br>PP<br>Fred Fish 602<br>JM<br>MathsAdv<br>MBPress<br>PlotLib<br>Fred Fish 603<br>DungeonMap<br>DynaCADD<br>VCONtrl<br>Notify<br>Fred Fish 604<br>ArpRequest<br>DynaCADD<br>LHA<br>OwnDevUnit<br>PetersQuest<br>TurboQuantum<br>Fred Fish 605<br>DynaCADD<br>HDClick<br>Fred Fish 606<br>AlgoRhythms<br>AutoGraf<br>FileMinder<br>PrFont<br>SpellCheck<br>Fred Fish 607<br>AnimFader<br>DocControl<br>FishCat<br>Fred Fish 608<br>CloneCmdKeys<br>FastLife<br>Vertex<br>Fred Fish 609<br>AutoPort<br>Basil<br>BootPic<br>CryptoKing<br>STScan |
|--|---|--|---|--|--|---|

# Fred Fish Index

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|--|
| Fred Fish 610<br>ATCopy<br>Gratuity<br>PCExecute<br>Fred Fish 611<br>AntiCicloVir<br>TeX<br>WildStar<br>Fred Fish 612<br>TeX<br>Fred Fish 613<br>TeX<br>Fred Fish 614<br>TeX<br>Fred Fish 615<br>TeX<br>Fred Fish 616<br>TeX<br>Fred Fish 617<br>AutoCLI<br>Beach<br>Revenge<br>Fred Fish 618<br>Beach<br>Contact<br>VCLJ<br>VoiceDemo<br>Fred Fish 619<br>AFaxDemo<br>AmiGazer<br>IFF<br>Set040<br>SysInfo<br>Fred Fish 620<br>Gratuity<br>TKEd<br>TrackDOS<br>Fred Fish 621<br>IE<br>MultiPlayer<br>NComm<br>Fred Fish 622<br>Challenger<br>Uedit<br>Fred Fish 623<br>AIB<br>Makelcon<br>PPLib<br>RemapInfo<br>ReqTools<br>WindowTiler<br>Fred Fish 624<br>Cah<br>MachIV<br>PCMenu<br>Fred Fish 625<br>CanonLBP<br>Pattern<br>SysInfo<br>TurboDEX<br>Fred Fish 626<br>Info<br>LoranNotebook<br>MMU<br>QCD<br>SiliconSec<br>Stuffer<br>WaveMaker<br>Fred Fish 627<br>Adoc<br>Concentration<br>FreePaint<br>Fred Fish 628<br>APr<br>Lothian<br>Set040<br>Fred Fish 629<br>APIG<br>RexRMF<br>Rocky<br>Fred Fish 630<br>BICS<br>Fenster<br>Makelcon<br>TrueEd<br>Fred Fish 631<br>AHDIM<br>AmigaDEX<br>KeyBang<br>Offender<br>Fred Fish 632<br>Attacks<br>Copper<br>DWFr<br>PrintFiles<br>Fred Fish 633<br>PlansDemo<br>SoftLock<br>Fred Fish 634<br>APIG<br>NewDefTool<br>NewPrint<br>NonClick<br>Slicer<br>Fred Fish 635<br>BootPic<br>Icons<br>LDP<br>PowerLOGO<br>Fred Fish 636<br>Alert<br>EDRC<br>Electron<br>EnvPrint<br>Henon<br>LISA<br>MemMan<br>SmallPalette<br>TurboLife<br>WizardClock<br>WizardsInfo<br>WWBatch<br>Fred Fish 637<br>LAZI<br>LHA<br>MouseAideDEMO<br>VideoMaxe<br>Fred Fish 638<br>PowerVisor<br>Run68010<br>ShellTimer<br>Fred Fish 639<br>DrawMap<br>Technoban<br>Fred Fish 640<br>DrawMap<br>Fred Fish 641<br>Annotate<br>Box<br>EVW<br>GearCalc<br>LVD<br>TLog<br>Fred Fish 642<br>AutoCLI<br>EditKeys<br>IFF<br>Set040<br>SysInfo<br>VSPR<br>Fred Fish 643<br>4Wins<br>DSDemo<br>Install<br>PCTask<br>Fred Fish 644<br>FontConverter<br>SystemInfo<br>Unsporting<br>Fred Fish 645<br>DMD<br>FF671<br>HDFixer<br>mKmake<br>MPE<br>KCommodity<br>MouseAideDEMO<br>SoundZAP<br>Fred Fish 647<br>Dog<br>JM<br>Nova<br>PowerPlayer<br>PrintDump<br>Ved<br>YamEx<br>Fred Fish 648<br>AddAssign<br>AntiCicloVir<br>Vertex<br>Fred Fish 649<br>AMancala<br>Browser<br>CLIXe<br>LoadLib<br>Support<br>Mostra<br>PM<br>Fred Fish 650<br>EraseDisk<br>MountShare<br>OwnDevUnit<br>P-Animate<br>P-Compress<br>P-FixLib<br>Fred Fish 651<br>501<br>Icons<br>SID<br>Fred Fish 652<br>ARTM<br>bBasell<br>Brain<br>Burf<br>Elements<br>Adoc<br>SwitchColors<br>Fred Fish 653<br>AniMan<br>BumpRev<br>FileSelect<br>HardBlocks<br>MidDiag<br>WBase<br>WControl<br>Fred Fish 654<br>2View<br>DSound<br>Intulisp<br>NewBoot<br>SANA<br>WBLink<br>Fred Fish 655<br>Ashido<br>LongPlay<br>Fred Fish 656<br>CyberCron<br>JbSpool<br>Pipeline<br>SurfacePlot<br>Fred Fish 657<br>BaldriceDemo<br>K4Editor<br>NoDelete<br>Fred Fish 658<br>Bump<br>Enforcer<br>NoFragLib<br>RDM<br>Skew<br>View<br>Fred Fish 659<br>Adventure<br>Celest<br>GadToolsBox<br>MungWall<br>Fred Fish 660<br>Diamonds<br>Eaters<br>Kan<br>LoveMice<br>VMB<br>Fred Fish 661<br>Citadel<br>Fred Fish 662<br>BlackHole<br>Citadel<br>Fitness<br>HiraganaDemo<br>Ninfo<br>Space<br>Fred Fish 663<br>CManual<br>CrossMaze<br>Kan<br>PgmToShd<br>Fred Fish 665<br>Arq<br>DiskSpeed<br>Intrapid<br>Fred Fish 666<br>Hackdisk<br>HiSpeed<br>QMouse<br>Spectroscope<br>Fred Fish 667<br>Cocooness<br>PopUpMenu<br>Fred Fish 668<br>Explora<br>TExp<br>VSPR<br>Fred Fish 669<br>Leggl<br>Post<br>SCSLuill<br>VirusChecker<br>Fred Fish 670<br>DirWork<br>Mostra<br>Scan<br>Fred Fish 671<br>div2itty<br>FF671<br>JcGraphDemo<br>mKmake<br>MPE<br>Fred Fish 672<br>Indent<br>Fred Fish 673<br>KCommodity<br>Offender<br>SANA<br>ShatTools<br>Fred Fish 674<br>Ved<br>YamEx<br>Fred Fish 675<br>NewIFF<br>P-Writer<br>Fred Fish 676<br>FBM<br>Fred Fish 677<br>FBM<br>MakeLink<br>Mostra<br>PM<br>Fred Fish 678<br>FBM<br>PPLib<br>RdGrq<br>ReAnalyzer<br>Fred Fish 679<br>Backcoupling<br>RayShade<br>Fred Fish 680<br>ATAP<br>SatTrack<br>VirusChecker<br>Fred Fish 681<br>Term<br>Fred Fish 682<br>AmiBack<br>Neify<br>ReChange<br>RexHostLib<br>Zoom<br>Fred Fish 683<br>GMC<br>KFAST<br>LE-NAG<br>PrintFiles<br>ShowLink<br>Fred Fish 684<br>AL<br>AniMan<br>CpuCir<br>Jbeyes<br>EmptyHandler<br>MagPages<br>PlaySound<br>Fred Fish 685<br>Free<br>FreeCopy<br>LongPlay<br>MCMaster<br>PublicManager<br>YatZ<br>Fred Fish 686<br>BonAppetit<br>DWFIcons<br>XSt<br>MultiBox<br>NewPos<br>Fred Fish 687<br>AmigaEMS<br>FracBlank<br>Enforcer<br>SFCoder<br>XPFD<br>XSB<br>Fred Fish 688<br>OctaMEDPlayer<br>ScreenSnap<br>UpdateIcon<br>Fred Fish 689<br>AssignWedge<br>Phone<br>TKED<br>Fred Fish 690<br>FastGif<br>Find<br>HDFixer<br>Rescue<br>VirusHunter<br>Fred Fish 691<br>CManual<br>Fred Fish 692<br>CManual<br>Fred Fish 693<br>CManual<br>Fred Fish 694<br>ADoc<br>CManual<br>CrossMaze<br>Kan<br>PgmToShd<br>Fred Fish 695<br>CManual<br>XNote<br>PPData<br>Fred Fish 696<br>CLITools<br>Drivers<br>IFSLab<br>MemSnap<br>TinyClock<br>WindowTiler<br>Fred Fish 697<br>Hackdisk<br>HiSpeed<br>QMouse<br>TypoGrapher<br>Fred Fish 698<br>SCRAM500<br>Fred Fish 699<br>EZasm<br>IFFConvert<br>MungWall<br>ReGrq<br>P-index<br>Sizer<br>Fred Fish 700<br>TextPlus<br>Fred Fish 701<br>Du<br>Examiner<br>GNUPlot<br>SpellCheck<br>Fred Fish 702<br>A-Genie<br>DoubleSquares<br>Fred Fish 703<br>HunkX<br>LVD<br>MPE<br>Fred Fish 704<br>Flex<br>GrabIFF<br>PowerPlayer<br>SFCoder<br>SPClock<br>SunClock<br>Fred Fish 705<br>CrossMaze<br>FishCat<br>Cube<br>NewIFF<br>Fred Fish 706<br>ABackup<br>APr<br>AUSH<br>PatchOS<br>WalkingMan<br>Fred Fish 707<br>AMines<br>Aniso<br>MungWall<br>RayShade<br>Fred Fish 708<br>HardBlocks<br>Icons<br>Intulisp<br>SmartEd<br>VoiceBoy<br>Fred Fish 709<br>CPUCir<br>LittleBoulder<br>Planets<br>ThinkAMania<br>Fred Fish 710<br>AntiCicloVir<br>bBasell<br>CryptoKing<br>TypoGrapherFix<br>Fred Fish 711<br>MouseAideDEMO<br>Le-NAG<br>TheWeb<br>WindowTool<br>Fred Fish 712<br>AniMan<br>HamLabDemo<br>Jbeyes<br>Solitaire<br>Fred Fish 713<br>ICalc<br>JoinSounds<br>LongPlay<br>MathsAdv<br>ReflexTest<br>Fred Fish 714<br>CoGo<br>JoyeDemo<br>PatchLace<br>RKRML_Lib2<br>RKRML_Lib3<br>Fred Fish 715<br>Intulisp<br>LHA<br>Fred Fish 716<br>BCount<br>FoCo<br>FRequest<br>LoadLibrary<br>Look<br>ZMachine<br>Fred Fish 717<br>Adev11<br>ALock<br>FileStat<br>PacMan<br>Spaceell<br>ViewIcon<br>Fred Fish 718<br>BootPic<br>Less<br>SetTime<br>SmallMath<br>Fred Fish 719<br>CrLists<br>DnTool<br>DrawMap<br>Fxlcon<br>Makelcon<br>Fred Fish 720<br>DrawMap<br>Fred Fish 721<br>ADoc<br>DirWork<br>Division<br>DPU<br>Octothello<br>Fred Fish 722<br>Counting<br>Fred Fish 723<br>AniMan<br>DiskMate<br>EternalRome<br>MemGauge<br>PrinterCTRL<br>Fred Fish 724<br>BackUP<br>DonsGenies<br>XSearch<br>Fred Fish 725<br>Magicon<br>Mine<br>SnoopDos<br>Term<br>Fred Fish 726<br>HamLabDemo<br>Hextract<br>P-index<br>P-Reader<br>PowerSnap<br>Fred Fish 727<br>2View<br>Adventure<br>Format<br>Vertex<br>Fred Fish 728<br>501<br>LastRefuge<br>PatchMan<br>Fred Fish 729<br>BBBBBS<br>DSound<br>FF<br>Fred Fish 730<br>Term<br>Fred Fish 731<br>FindIt<br>GadToolsBox<br>QMouse<br>Fred Fish 732<br>FontViewer<br>MPE<br>Fred Fish 735<br>OctaMED<br>Fred Fish 736<br>KOE2<br>PopUpMenu<br>Run68013<br>Fred Fish 737<br>CMemo<br>FollowMouse<br>Uhr<br>WBSart<br>Fred Fish 738<br>BFormat<br>GeoTime<br>MemMometer<br>Mine<br>NoChange<br>SysInfo<br>WorkTime<br>Fred Fish 739<br>ABackup<br>AZap<br>BioRhythm<br>CDTV-Player<br>ChemBalance<br>LLabel<br>Fred Fish 740<br>Debt<br>HdMem<br>Solitaire<br>Memmin<br>P-Compress<br>S-Text<br>Showgerb<br>Fred Fish 741<br>BioComp<br>RKRML_Develop<br>RKRML_Lib1<br>Shell2Front<br>Show<br>Fred Fish 742<br>Sizer<br>List<br>ColorSwitch<br>CloseWd<br>ICalc<br>KeyClick<br>Pa<br>PatchLace<br>RKRML_Lib2<br>RKRML_Lib3<br>Fred Fish 743<br>ClickRun<br>FoCo<br>FRequest<br>LoadLibrary<br>Look<br>MegaEd<br>TurboDEX<br>Fred Fish 744<br>AutoRunner<br>FO<br>FO2<br>Hextract<br>IList<br>NFD<br>P-index<br>P-Reader<br>Statistics<br>Fred Fish 745<br>ARhexBox<br>BackUP<br>File<br>WickKey<br>Fred Fish 746<br>ATbl<br>KCommodity<br>Skew<br>Fred Fish 747<br>ALook<br>CopperPrefs<br>LoadSpy<br>MemMon<br>PowerPlayer<br>Uedit<br>Fred Fish 748<br>DeliTracker<br>Fred Fish 749<br>AmokEd<br>LogMan<br>PaperBack<br>PED<br>PhxAss<br>PhxLink<br>VoiceEditor<br>ZipWd<br>Fred Fish 750<br>Addicon<br>CFX<br>Create<br>DockBrushes<br>ExecMaster<br>FontViewQ<br>SizeW<br>SplitQ<br>Stript<br>Fred Fish Disk<br>FF751<br>Annotate<br>CheatFont<br>PPMC<br>ReflexTest<br>VCLJ<br>YearPrintQ<br>Fred Fish Disk 752<br>ToolManager<br>Fred Fish Disk 753<br>AskFirst<br>Mostra<br>SuperDuper<br>Yak<br>Zoo<br>Fred Fish Disk 754<br>ARexAppList<br>BootLogo<br>Enforcer<br>SmartDisk<br>SoftTrack<br>Win2Front<br>XPX<br>Fred Fish Disk 755<br>OctaMED<br>Fred Fish Disk 756<br>KOE2<br>PopUpMenu<br>Run68013<br>Fred Fish Disk 757<br>CMDemo<br>FollowMouse<br>Uhr<br>WBSart<br>Fred Fish Disk 758<br>BFormat<br>GeoTime<br>MemMometer<br>Mine<br>NoChange<br>SysInfo<br>WorkTime<br>Fred Fish Disk 759<br>ABackup<br>AZap<br>BioRhythm<br>CDTV-Player<br>ChemBalance<br>LLabel<br>Fred Fish Disk 760<br>ARestaura<br>BootJob<br>FIM<br>FileStorage<br>RomCon<br>ScotTest<br>Seepix<br>S-Text<br>Showgerb<br>Timing<br>UCD<br>YAPS<br>Fred Fish Disk 761<br>AztecErr<br>Blitt<br>Installer<br>LE-NAG<br>MemWaste<br>PassWord<br>RSM<br>SFRagMem<br>Struct-Saver<br>Fred Fish Disk 762<br>APr<br>BCEMusic<br>InfoQ<br>MidSyn<br>Spartan<br>Viewtek<br>Yacht<br>Fred Fish Disk 763<br>MatchPlay<br>MouseAideDEMO<br>FF788<br>NPD<br>NTSC&PAL<br>QC<br>Fred Fish Disk 764<br>AltKeyQ<br>CLI-Tools<br>Gambit_Terp<br>Fred Fish Disk 765<br>Gambit_Comp<br>Fred Fish Disk 766<br>BBase2View<br>ISAM<br>MPE<br>PPDO<br>Switcher<br>Fred Fish Disk 767<br>Addresser<br>AntiCicloVir<br>BackUP<br>File<br>TextRead<br>TextRead<br>Fred Fish Disk 768<br>Uedit<br>Fred Fish Disk 769<br>ALook<br>CopperPrefs<br>LoadSpy<br>MemMon<br>PowerPlayer<br>Uedit<br>Fred Fish Disk 770<br>Uedit<br>Fred Fish Disk 771<br>AutoSave<br>BBBBBS<br>PubChange<br>PKludge<br>NiceMove<br>Sing<br>Sound<br>SourceOpt<br>Fred Fish Disk 772<br>FWB<br>Fred Fish Disk 773<br>Delache<br>Enforcer<br>Ls<br>NewPop<br>Quest<br>REXXProgs<br>Wangle<br>Fred Fish Disk 774<br>ExtraCrnds<br>ISpell<br>SetAdDim<br>SatSystem<br>Fred Fish Disk 775<br>All<br>HACKLITE<br>Fred Fish Disk 776<br>CopDis<br>Jed<br>XDME<br>WFile<br>Fred Fish Disk 777<br>AGATEST<br>Chernesthetics<br>IncRev<br>Sizer<br>Fred Fish Disk 778<br>DungeomMap<br>EgoMouse<br>Kurve<br>OmitFroh<br>Fred Fish Disk 779<br>AAP_AAC<br>Plasma<br>RDBInfo<br>SANA<br>VFontPatch<br>Fred Fish Disk 780<br>ABackup<br>NickPrefs<br>RachelRaccoon<br>Fred Fish Disk 781<br>PowerSnap<br>TKED<br>TWA<br>WBVerlauf<br>Fred Fish Disk 782<br>DFA<br>TwilightZone<br>ValCon<br>Yak<br>Fred Fish Disk 783<br>APIpe<br>DiskInfo<br>Hackdisk<br>KingFisher<br>Fred Fish Disk 784<br>BindNames<br>Lyapunovia<br>Fred Fish Disk 785<br>FileStorage<br>RomCon<br>ScotTest<br>Seepix<br>S-Text<br>Showgerb<br>Timing<br>UCD<br>YAPS<br>Fred Fish Disk 786<br>Hyper<br>IconAuthorDemo<br>Macro<br>RSM<br>VirusZ<br>Fred Fish Disk 787<br>APr<br>GetSC<br>Scale<br>SetSC<br>Spartan<br>Viewtek<br>Yacht<br>Fred Fish Disk 788<br>Cheats<br>MatchPlay<br>MouseAideDEMO<br>FF788<br>NPD<br>NTSC&PAL<br>QC<br>Fred Fish Disk 789<br>MakeDMake<br>PongoDemo<br>QMouse<br>Fred Fish Disk 790<br>UCheess<br>Fred Fish Disk 791<br>RADBack<br>Roptex<br>SetTape<br>Sksh<br>Fred Fish Disk 792<br>AmigaBase<br>DragIt<br>TClass<br>WBPat<br>Fred Fish Disk 793<br>DateCheck<br>ReflexFinal<br>Snap<br>SOUNDEffect<br>Fred Fish Disk 794<br>MCAAnim<br>Reetools<br>Fred Fish Disk 795<br>PSTools<br>UnDelete<br>Fred Fish Disk 796<br>PSTools<br>Fred Fish Disk 797<br>A2ps<br>BBBB<br>BIGMec<br>HF3ps<br>PSLits<br>Fred Fish Disk 798<br>AddressiDEMO<br>ASwarmll<br>If2.0<br>Lockit<br>NewMode<br>Prism<br>Run68017<br>Stript<br>SplitANSI<br>Fred Fish Disk 799<br>All<br>HACKLITE<br>Fred Fish Disk 800<br>ColorSaver<br>DocDump<br>Enforcer<br>IFFBoot<br>Least<br>Moonool<br>MungWall<br>Fred Fish Disk 801<br>Convert<br>CyberCron<br>CyberX10<br>Luna<br>PowerData<br>TWC<br>Fred Fish Disk 802<br>AppSizer<br>FastLife<br>F02Asmnc<br>QMouse<br>Fred Fish Disk 803<br>Hackdisk<br>HyperANSI<br>MiniPac<br>SCAN8800<br>Fred Fish Disk 804<br>AmigaWorld<br>DiskMate<br>Euphorion<br>Password<br>PubChange<br>Fred Fish Disk 805<br>CDTV-Player<br>Clouds<br>RussianFonts<br>Sizer<br>Fred Fish Disk 806<br>HDFixer<br>Icons<br>MXReq<br>XSearch<br>Fred Fish Disk 807<br>RoachMotel<br>VCLJ<br>VoiceCode<br>XTrash<br>Fred Fish Disk 808<br>AquaPack<br>Life<br>Look<br>UnixDirS<br>Fred Fish Disk 809<br>CPK<br>EPU<br>GetString<br>SmallMath<br>Fred Fish Disk 810<br>Amiga_E<br>MakeDMake<br>RintManager<br>Snake<br>StarClock<br>TimeKeeper<br>Fred Fish Disk 811<br>bsh<br>MagicNoises<br>WhiteLion<br>Fred Fish Disk 812<br>PPMC<br>SCAN8800<br>Fred Fish Disk 813<br>AmigaBase<br>GIFdatatype<br>MinedOut<br>Fred Fish Disk 814<br>BootJob<br>FIM<br>MemBar<br>Monopoly<br>NoteEdit<br>TreeGoto<br>Fred Fish Disk 815<br>InspireDemo<br>ShuffleRun<br>Fred Fish Disk 816<br>Egypt<br>Look<br>Revenge<br>Fred Fish Disk 817<br>CTimer<br>EditKeys<br>Hextract<br>Install<br>S-Text<br>Fred Fish Disk 818<br>LoadLibrary<br>TunkHunter<br>UUCoderWindow<br>WatchStack<br>Fred Fish Disk 819<br>4-GetIt<br>MemoMaster<br>OctaMEDPlayer<br>Fred Fish Disk 820<br>Databasech<br>QuickFile<br>SysInfo<br>VirusZ<br>Fred Fish Disk 821<br>Diff<br>Instant<br>Fred Fish Disk 822<br>NetHack<br>Fred Fish Disk 823<br>NetHack<br>Fred Fish Disk 824<br>AlphaMan<br>GadgetTest<br>NetHack<br>Pager<br>Fred Fish Disk 825<br>All<br>ASokoban<br>VirusChecker<br>WComm<br>Fred Fish Disk 826<br>Asteriods<br>Date2Day<br>DMEFRq<br>MemSnap<br>SoftLock<br>Fred Fish Disk 827<br>AMaster<br>AskReq<br>AztetEr<br>CloseWD<br>FRequest<br>PickFile<br>Fred Fish Disk 828<br>DiskTest<br>Post<br>PSFonts<br>Fred Fish Disk 829<br>PSFonts<br>Fred Fish Disk 830<br>PSFonts<br>Fred Fish Disk 831<br>GrabLib<br>Term<br>Fred Fish Disk 832<br>FakeKey<br>NameThatMonster<br>Term<br>Fred Fish Disk 833<br>Term<br>ZIP<br>Fred Fish Disk 834<br>InfoTools<br>Pinfcom<br>WGenie<br>XEM<br>Fred Fish Disk 835<br>MandelSquare<br>Mine<br>Mines<br>SuperDark<br>SuperFormatter<br>Fred Fish Disk 836<br>DocPrint<br>FSim<br>Slicer<br>Fred Fish Disk 837<br>AquaPack<br>Life<br>Look<br>UnixDirS<br>Fred Fish Disk 838<br>ABackup<br>GZip<br>LE-NAG<br>Fred Fish Disk 839<br>Japanese<br>LazyBench<br>SSW<br>Fred Fish Disk 840<br>TrashIcon<br>OctaMED<br>Fred Fish Disk 841<br>AniMan<br>GifInfo<br>PowerData<br>Fred Fish Disk 842<br>AntiCicloVir<br>GadToolsBox<br>Fred Fish Disk 843<br>BrowserII<br>MeMeter<br>ParM<br>WBRun<br>Whatts<br>Fred Fish Disk 844<br>DBB<br>DiskPrint<br>Fred Fish Disk 845<br>ISL<br>Sz'kwa<br>TextPlus<br>Fred Fish Disk 846<br>FileCache<br>IOObject<br>TextPlus<br>Fred Fish Disk 847<br>ADM<br>MidiChords<br>Fred Fish Disk 848<br>Amiga_E<br>CWeb<br>Poker<br>Fred Fish Disk 849<br>AmigaPascal<br>BackGammon<br>CDTV-Player<br>MathPlot<br>Fred Fish Disk 850<br>RRT<br>4-GetIt<br>FastGIF<br>MineField |
|--|

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

# AMICUS Index

## •AMICUS Disk 1•

3DSolids  
Blocks  
Cubes  
Durer  
FScape  
Hidden  
JPad  
Optical  
PaintBox  
Shuttle  
SpaceArt  
Speaker  
Sphere  
Spiral  
ThreeDee  
Topography  
Wheels  
Xenos  
*Tools*  
AddressBook  
CardFile  
Demo  
KeyCodes  
Menu  
MoreColors  
Shapes  
SpeakIt  
*Games*  
BrickOut  
Othello  
Saucer  
Spelling  
ToyBox  
*Sound & Music*  
Entertainer  
HAL9000  
Police  
SugarPlum  
*C programs*  
ATerm  
cc  
decvnt  
Doty  
echox  
fasterfp  
FixDate  
freedraw  
GfxMem  
Grep  
IBM2Amiga  
Mandel  
moire  
objfx  
quick  
raw  
setlace  
sparks  
SpeechToy  
WhichFont  
*Texts*  
68020  
Aliases  
Bugs  
CLICard  
CLICommands  
Commands  
EdCommands  
Filenames  
HalfBright  
ModemPins  
RAMdisks  
ROMWack  
Sounds  
Speed  
WackCmds

## •AMICUS Disk 2•

*C programs*  
alib  
ar  
fixobj  
shell  
sq, usq  
YachtC  
Make  
Emacs  
*Assembler programs*  
bsearch.asm  
qsort.asm  
setjmp.asm  
SVPrintf  
trees.o  
*Tutorials*  
Animate  
Gadgets  
Menus

## •AMICUS Disk 3•

*C programs*  
Xref  
6bitcolor  
Chop  
Cleanup

CR2LF  
Error  
Hello  
Kermit  
Scales  
SkewB  
*AmigaBASIC progs(dlr)*  
Automat  
CrazyEight  
Graph  
WitchingHour  
*ABasic programs*  
Casino  
Gomoku  
Sabotage  
*Executable programs*  
Disassem  
DpSlide  
Arrange  
*Assembler programs:*  
Argoterm

## •AMICUS Disk 4•

Image.ed  
Intuition demo  
addmem.c  
bobtest.c  
consoleIO.c  
creaport.c  
creastdl.c  
creatask.c  
disklo.c  
dotty.c  
dualplay.c  
flood.c  
freemap.c  
gettools.c  
gfxmem.c  
hello.c  
nputdev.c  
Joystik.c  
keybd.c  
layertes.c  
mousport.c  
ownlib.c,  
ownlib.asm  
paratest.c  
seritest.c  
serisamp.c  
prnintr.c  
prtbse.h  
regintes.c  
setlace.c  
setparallel.c  
SetSerial.c  
singplay.c  
speechtoy.c  
timedely.c  
timer.c  
timrstuf.c  
WhichFont.c  
autorgstr.txt  
consoleIO.txt  
diskfont.txt  
fullfunc.txt  
inputdev.txt  
License  
printer  
v11fd.txt  
v28v1.diff

## •AMICUS Disk 5•

menudemo  
whereis.c  
bobtest.c  
sweep.c  
*Assembler files*  
mydev.asm  
mylib.asm  
mylib.l  
mydev.l  
asmstpp.l  
macros.i  
*Texts*  
amigatricks  
extdisk  
gameport  
parallel  
serial  
v1.1update  
v1.1h.txt  
Printer driver  
IFF specs

## •AMICUS Disk 6•

DPSlide  
SlideShow  
ArticFox.pic  
Degas.pic  
Degas2.pic  
Degas3.pic  
Degas4.pic  
EAguy's.pic  
mandrill

Horses.pic  
KingTut  
Lighthouse  
MarbleMadness.pic  
Martian  
MovieGuys.pic  
MTV  
PinballConstSet.pic.  
Newscaster.pic  
PaintCan.pic  
WorldMap  
Porsche  
ShuttlePatch  
T.Rex  
PolarView  
VisaCard  
TenSpeed  
Saturn  
Starflight  
Uranus  
Venus

## •AMICUS Disk 7•

LollypopLady  
Child  
ComputerBlocks  
Dozer  
Horse&Buggy  
OldMan  
PeopleCable  
Robert  
Robot  
StatueOfLiberty  
Webster  
Woman&Pencil  
SavellBMB  
ShowLBM  
ShowHAM

## •AMICUS Disk 8•

Browse  
Crunch  
IconExec  
PDScreen Dump  
SetAlternate  
SetWindow  
SmallClock  
Scrimper  
*AmigaBASIC program*  
AddressBook  
Ball  
Cload  
Clue  
ColorArt  
DeluxeDraw  
Eliza  
Othello  
Maze  
ROR  
Shuttle  
Spelling  
YoYo  
*Executable programs*  
3Dcube  
AltIcon  
AmigaSpell  
arc  
Bertrand  
disksalvage  
KwikCopy  
LibDir  
SavellBMB  
ScreenDump  
StarTerm  
*Texts*  
LatticeMain  
GDiskDrive  
GuruMed  
Lat3.03bugs  
MForgeRev  
PrintSpooler  
.BMAP files

## •AMICUS Disk 9•

*AmigaBASIC Programs*  
FlightSim  
HuePalette  
Requester  
ScrollDemo  
Synthesizer  
WorldMap  
*Executable programs:*  
Boing!  
Brush2C  
Brush2Icon  
Dazzle  
DeciGEL  
Klock  
Life  
TimeSet  
MEmacs  
MyCLI  
*Texts:*  
FnctnKeys

HackerSin  
Ist68010  
PrinterTip  
StartupTip  
XlrmmReview  
*Printer Drivers*  
Canon PJ-1080A  
C Itoh Prowriter  
Epson  
Epson LQ-800  
Gemini Star-10  
NEC 8025A  
Okidata ML-92  
Panasonic KX-P10xx  
Smith-Corona D300  
Install Drivers

## •AMICUS Disk 10•

*Instrument sound demos*

## •AMICUS Disk 11•

*C programs*  
dlrutl  
cpri  
ps  
Vidtex  
*AmigaBASIC programs*  
pointerEd  
optimize  
calendar  
amortize  
brushtoBOB  
grids  
hillbert  
madlib  
malltalk  
meadows3D  
mousetrack  
slot  
tictactoe  
switch  
welrd  
*Executable programs*  
cp  
cls  
Diff  
pm  
*Assembler programs*  
cls  
Modula-2  
caseconvert  
SimpleReq  
Breshehan  
Analyze Templates  
ConvertDoodle  
ConvertKoala  
ConvertPrintShop

## •AMICUS Disk 12•

*Executable programs*  
blink  
clean  
epsonset  
showbig  
speaktime  
undelete  
cnvapldhm  
menuEd  
quick  
quickEA  
txed 1.3  
*C programs*  
spln3  
popcli  
vsprite  
AmigaBBS  
*Assembler programs*  
star10  
Mount Mandelbrot  
Star Destroyer  
Robot  
vendors  
cardco  
cinclude  
mindwalker  
slideshow

## •AMICUS Disk 13•

*AmigaBASIC programs*  
*Executable programs*  
gravity  
MIDI

## •AMICUS Disk 14•

Dan Kary's  
*AmigaBASIC programs*  
BMAP Reade  
IFFBrush2BOB  
AutoRequester  
DOSHelper  
PETrans  
C Squared  
crif  
dpdecode

ves copy  
queryWB  
vc  
view  
Oing, Sproing, yaBoing,  
Zoling  
CLIClock sClock, wClock  
Texts

## •AMICUS Disk 15•

*C programs*  
pr  
fm  
Ask  
*Executable programs*  
Stat  
Dissolve  
PopCLI2  
*Executable programs*  
Form  
DiskCat  
PSound  
Iconmaker  
Fractals  
3D Breakout  
AmigaMonitor  
Cosmoroids  
Sizzlers  
*Texts*  
ansi.txt  
FKey  
Spawn  
*AmigaBASIC programs*  
Grids  
Light  
MigaSol A  
Stats  
Money

## •AMICUS Disk 16•

Juggler  
IFF pictures  
*C programs*  
Inpuhandler  
FileZap3  
ShowPrint  
Gen  
*Executable Programs*  
FixHunk2  
ms2smus  
Missile

## •AMICUS Disk 17•

Comm V1.33  
ATerm V7.2  
VT-100 V2.6  
Amiga Kermit  
VTek V2.3.1  
AmigaHost  
FixHunk  
FixObj  
Txt  
addmem  
arc  
arcre

## •AMICUS Disk 18•

Logo  
Tv\*Text  
PageSetter  
FullWindow  
Life3d  
Defdisk  
Calendar.WKS  
SetKey  
VPG  
HP-10C  
SetPrefs  
StarProbe  
ROT  
Scat  
DK  
DropShadow2

## •AMICUS Disk 19•

Solve  
Gadgets  
Household  
Waveform  
DiskLib  
Subscripts  
String, Boolean  
Skinny C  
COMAL.h  
EmacsKey  
Amon 1.1  
BTE  
Size  
WinSize

## •AMICUS Disk 20•

Compactor, Decoder  
BobEd  
SpriteMasterII

BlitLab  
FPic  
Bankn

## •AMICUS Disk 21•

Target  
Sand  
PropGadget  
EHB  
Piano  
CelScripts

## •AMICUS Disk 22•

Cycles  
Show\_PrintII  
PrtDrvGen2.3  
Animations  
Garden  
BASICSorts

## •AMICUS Disk 23•

Instruments  
List INSTR  
Music  
1812Overture  
Three Amiga Music  
Players:  
SMUSPlay

MusicCraft2SMUS

MusicStudio2SMUS

## •AMICUS Disk 24•

Sectorama  
Iconize  
CodeDemo  
AmiBug  
BNTTools  
SetLace  
Why  
LoadIt  
Monolace  
BoingMachine  
Daisy  
QuickFlx  
BMon  
Moose  
DGCS  
The Virus Check  
directory

## •AMICUS Disk 25•

Nemesis  
The KickPlay directory  
KeyBird  
8ColorWB  
BrushIcon  
Egraph  
Keep 1.1  
Kill.fastdir  
The LaceWB program  
PW\_Utility  
Guru  
DiskWipe  
Snow  
Mlist  
Softballstats  
Dodge

## •AMICUS Disk 26•

Ciaz2  
SDBBackup  
TCB  
FunBut  
DC  
System config  
Dick2RAM  
Lexical  
HexDump  
Tartan  
DirMaster  
BMP  
ShowPt  
Mouse Pointers etc.

# AC's Back Issue Index

## Volume 1 Number 1 Premiere

AMICUS Network by John Foust  
Amiga Products  
AmigaForum by Bela Lubkin  
CLI Summary by George Musser  
Commodore Amiga Development Program by Don Hicks  
Date Virus by John Foust  
EZ-Term by Kelly Kauffman  
Inside CLI by George Musser  
Miga-Mania by Perry Kivolowitz  
Public Domain Software by John Foust  
ROOMERS by The Amigo  
SuperSpheres by Kelly Kauffman  
The Amazing C Tutorial by John Foust  
The Amazing Lisp by Daniel Zigmond

## Volume 1 Number 2 March 1986

A Workbench MORE Program by Rich Wirth  
Amicus by John Foust  
Amiga BBS Numbers  
Amiga Products  
Commodore's Great Educational Advantage  
Electronic Arts Comes Through  
Inside CLI Part Two by George Musser  
Live! by Richard Miner  
Miga Mania by Perry Kivolowitz  
Online! and the CTS Fabrite 2424 ADH Modem by John Foust  
Public Domain Programs  
ROOMERS by The Amigo  
Summary of ED Commands  
SuperTerm V1.0 by Kelly Kauffman  
The Amazing C Tutorial Part Two by John Foust  
The Amazing Lisp Tutorial Part Two by Daniel Zigmond

## Volume 1 Number 3 April 1986

A listing of The Fred Fish Collection  
Adios Amiga? by Hank Teller  
Amicus by John Foust  
Amiga Products  
AmigaBasic A Beginner's Tutorial by Kelly Kauffman  
Analyze! a Review by Ernest Viveiros Jr  
Deluxe Draw by Rick Wirth  
Entertainment Reviews  
Forth! by Jon Bryan  
Inside CLI Part 3 by George Musser  
Miga Mania by Perry Kivolowitz  
ROOMERS by The Amigo  
The Amazing C Tutorial Part Three by John Foust  
The Amazing Lisp Tutorial Part Three by Daniel Zigmond

## Volume 1 Number 4 May 1986

Amicus by John Foust  
Amiga Basic Tips by Rick Wirth  
Amiga BBS Numbers  
Build Your Own IBM 5 1/4 Drive Connector by Ernest Viveiros  
Forth Part Two by John Bryan  
Microsoft Basic Part Two by Kelly Kauffman  
Microsoft CD ROM Conference by Jim O'Keane  
Miga Mania by Perry Kivolowitz  
ROOMERS by The Amigo  
Scripper by Perry Kivolowitz  
Skyfox and Arcticfox Reviewed by Ervin Bobo  
The Amazing C Tutorial Part Four by John Foust

## Volume 1 Number 5 July 1986

Amicus Network by John Foust  
Amiga Developers appearing at Comdex  
Amiganotes by Rick Rae  
Building Tools by Daniel Kary  
Forth Part Three by John Bryan  
How does Sidecar affect Transformer? by John Foust  
Inside CLI Part 4 by George Musser  
John Foust talks with RJ Mical at COMDEX by John Foust  
Marauder Reviewed by Rick Wirth  
Microsoft Basic Part Three by Kelly Kauffman  
ROOMERS by The Amigo  
Scripper Part Two by Perry Kivolowitz  
Sidecar a First Look by John Foust  
The Amazing C Tutorial Part Five by John Foust  
The Commodore Layoffs by John Foust  
The HSI to RGB Conversion Tool by Steve Pietrowicz

## Volume 1 Number 6 August 1986

Amicus by John Foust  
Amiga User Groups  
AmigaBASIC Tutorial by Kelly Kauffman  
Flow: A Review by Erv Bobo  
Forth! by John Bryan  
Fred Fish Disks  
Fun with the Amiga Disk Controller by Dr Thom Sterling  
How to Start Your Own Amiga User Group by William Simpson  
Mailing List by Kelly Kauffman  
Pointer Image Editor by Steve Pietrowicz  
Roomers by The Amigo  
Scripper by Perry Kivolowitz  
Temple of Apschai Trilogy Review by Steve Pietrowicz  
Textcraft Plus a First Look by Joe Lowery  
The Amazing C Tutorial by Steve Pietrowicz  
The Amicus Public Domain Software Library  
The Halley Project: A Mission in Our Solar System by Steve Pietrowicz

## Volume 1 Number 7 October 1986

Aegis Draw : CAD Comes to the Amiga by Kelly Adams  
Aegis Images/ Animator A Review by Erv Bobo  
Amicus by John Foust  
Amiga Notes  
Basic Tutorial by Kelly Kauffman  
Deluxe Video Construction Set A Review by Joe Lowery  
Forth!  
I C What I Think by Ron Peterson  
IFF Brush to AmigaBasic Bob Editor  
Linking C programs with Assembler Routines on the Amiga  
PDS Catalog  
Roomers by The Amigo  
ROT by Colin French  
Try 3D!  
Window Requestor in Amiga BASIC  
Your Menu, Sir!

## Volume 1 Number 8 November 1986

.bmap File Reader in AmigaBasic by Tim Jones  
A Tale of Three EMACS by Steve Poling  
AmigaNotes by Richard Rae  
Computers in the Classroom by Robert Frizelle  
Easy! by Keith Conforti  
Forth! by Jon Bryan  
Last, But Not Least  
Lattice MAKE Utility by Scott P Evernden  
Marble Madness by Stephen R Pietrowicz  
MicroEd

MicroEd, The Lewis and Clark Expedition by Robert Frizelle  
Roomers by John Foust  
Screen SaVer by Perry Kivolowitz  
Scribble! Version 2.0  
The Amazing AmigaBasic Tutorial by Kelly Kauffman  
The Amazing C Tutorial by John Foust  
The AMICUS Network by John Foust  
The University Amiga by Geoff Gamble  
True Basic by Brad Grier  
Two for Study by Robert Frizelle  
Using Fonts from AmigaBasic by Tim Jones  
Using Your Printer with the Amiga by Sheldon Leemon

## Volume 1 Number 9 December 1986

68000 Macros on the Amiga by Gerald Hull  
Amazing Directory  
AMICUS by John Foust  
Amiga Developers  
AmigaNotes by Richard Reale  
Dos 2 Dos by Richard Knepper  
Forth! by Jon Bryan  
Gizmoz by Peter Wayne  
Instant Music by Steve Pietrowicz  
Keep Track of Your Business Usage for Taxes by James Kummer  
Making Cents in Business with Your Amiga by Ernest P Viveiros  
MaxiPlan by Richard Knepper  
Mindwalker by Richard Knepper  
Public Domain Software Catalog  
ROOMERS by John Foust  
Starting Your Own Amiga Related Business by William Simpson  
TDI Modla-2 Amiga Compiler by Steve Faiwizewski  
The Absoft Amiga Fortran Compiler by Richard A Reale  
The Alegra Memory Board by Rick Wirth  
The Loan Information Program by Brain Catley  
TxEd by Jan and Cliff Kent  
Using Fonts from AmigaBasic Part Two by Tim Jones

## Volume 2 Number 1 January 1987

A MegaByte without MegaBucks by Chris Erving  
A Public Domain Modula 2 System by Warren Block  
AmigaBASIC Default Colors by Bryan Catley  
AmigaBASIC Titles by Bryan Catley  
AmigaNotes by Richard Rae  
Defender of the Crown by Keith Conforti  
Deluxe Paint II from Eelectronic Arts by John Foust  
DigiPaint by NewTek by John Foust  
DigiView by Ed Jakober  
Forth! by Jon Bryan  
Leader Board by Chuck Raudonis  
One Drive Compile by Douglas Lovell  
Roomers by John Foust  
Roundhill Computer Systems' PANEL by Ray Lance  
The Amicus Network by John Foust  
What Digi-View Is Or What Genlock Should Be by John Foust

## Volume 2 Number 2 February 1988

A Disk Librarian in AmigaBASIC by John Kennan  
Amiga Bulletin Board Systems by Joseph L Rothman  
AmigaDOS Operating System Calls and File Management by Dave Haynie  
AmigaDOS Version 1.2 by Clifford Kent  
AmigaNotes The Amazing MIDI Interface by Richard Rae  
BBS-PC by Stephen R Pietrowicz

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# AC's Back Issue Index

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Creating and Using Amiga Workbench Icons by Celeste Hansel  
 Flight Simulator II A Cross Country Tutorial by John Rafferty  
 GEMINI or It Takes Two to Tango by Jim Meadows  
 MacroModem by Stephen R Pietrowicz  
 Roomers by The Bandito  
 The ACO Project Graphic Teleconferencing on the Amiga by Stephen R Pietrowicz  
 The Amazing C Tutorial by John Foust  
 The AMICUS Network by John Foust  
 The Modem by Joseph L Rothman  
 The Trouble with Xmodem by Joseph L Rothman  
 Working with Workbench by Louis A Mamakos

## Volume 2 Number 3 March 1987

AmigaNotes by Richard Rae  
 AmigaTrix by Warren Block  
 An Analysis of the New Amiga PCs by John Foust  
 Assembly Language on the Amiga by Chris Martin  
 Chessmaster 2000 & Chessmate by Edwin V Apel Jr  
 Forth! by Jon Bryan  
 Gemini Part II by Jim Meadows  
 Intuition Gadgets by Harriet Maybeck Tolley  
 Roomers by The Bandito  
 Shanghai by Keith Conforti  
 Subscripts and Superscripts in AmigaBASIC by Ivan C Smith  
 The AMICUS Network by John Foust  
 The Amiga 2000 by John Foust  
 The Amiga 500 by John Foust  
 The Winter Consumer Electronics Show by John Foust  
 Zing! from Meridian Software by Ed Bercovitz

## Volume 2 Number 4 April 1987

Amazing Interviews by Steve Hull  
 AmigaTrix II by Warren Block  
 BASIC Gadgets by Bryan Catley  
 GRIDIRON! by Keith Conforti  
 Highlights from the San Francisco Commodore Show by Steve Hull  
 METASCOPE by Harriett Tolly  
 Roomers by The Bandito  
 Secrets of Screen Dumps by Nathun Okun  
 Sleuthing Public Domain Disks with CLI by John Foust  
 Speaker Sessions at the San Francisco Commodore Show by Harriett Tolly  
 Star Fleet I Version 2.1 by John Tracey  
 The AMICUS Network by John Foust  
 The Household Inventory System in AmigaBASIC by Bryan Catley  
 The Mouse That Got RESTORED by Jerry Hull and Bob Rhode  
 The TIC by John Foust  
 Using Function Keys with MicroEmacs by Greg Douglas

## Volume 2 Number 5 May 1987

AmigaNotes by Richard Rae  
 Basic Input by Bryan Catley  
 Forth! by Jon Bryan  
 Intuition Gadgets Part II by Harriet Maybeck Tolly  
 More AmigaNotes by Richard Rae  
 Programming in 68000 Assembly Language by Chris Martin  
 Roomers by The Bandito  
 The Amicus Network by John Foust  
 The FutureSound Sound Digitizer by Warren Block  
 The Mimetics ProMIDI Studio by Jeffery Sullivan  
 The PerfectSound Sound Digitizer by Ron Battle  
 Using FutureSound in AmigaBASIC by Jim Meadows  
 Waveform Workshop in AmigaBASIC by Jim Shields  
 Writing a SoundScape Module in C by Todor Fay

## Volume 2 Number 6 June 1987

68000 Assembly Language programming on the Amiga by Chris Martin  
 7 Assemblers for the Amiga by Gerald Hull  
 Amiga Expansion Peripheral by John Foust  
 Amiga Technical Support by John Foust  
 AmigaNotes by Richard Rae  
 C Ltd Hard Drive by John Foust  
 Commodore shows the Amiga 2000 and Amiga 500 at the Boston Computer Society by H Maybeck Tolly  
 Forth! by John Bryan  
 Goodbye Los Gatos by John Foust  
 High Level Shakeup Replaces Top Management at Commodore by Steve Hull  
 LOGISTIX by Richard Knepper  
 Metacomco Shell and Toolkit by John Foust  
 Microbotics MAS Drive20 by Sheldon Leemon  
 Modula 2 AmigaDOS Utilities by Steve Faiwizewski  
 New Disk Driver Software Under Development by John Foust  
 Organize! by Richard Knepper  
 PAL Jr from Byte by Byte by John Foust  
 Peter J Baczor by Steve Hull  
 Roomers by The Bandito  
 Superbase Personal Relational Database by Ray McCabe  
 Supra 4x4 Hard Drive by John Foust  
 The Amicus Network by John Foust  
 The Magic Sac Run Mac programs on your Amiga by John Foust  
 What you should know before choosing an Amiga 1000 expansion device by Stephen Grant  
 Xetec 9720H Hard Drive by Sheldon Leemon

## Volume 2 Number 7 July 1987

68000 Assembly Language by Chris Martin  
 A-Squared and the Live! Video Digitizer by John Foust  
 Aegis Animator Scripts and Cel Animation by John Foust  
 All About Printer Drivers by Richard Bielak  
 Amazing Stories and the Amiga by John Foust  
 Amigas & Weather Forecasting by Brenden Larson  
 CSA's Turbo Amiga Tower by Alfred Aburto  
 Deluxe Video 1.2 by Bob Eller  
 Digi-View 2.0 Digitizer/Software by Jennifer M Jarik  
 Easy! Drawing Tablet by John Foust  
 Intuition Gadgets by Harriet Maybeck Tolly  
 Is IFF Really a Standard by John Foust  
 New Breed of Video Products by John Foust  
 Prism HAM Editor from Impulse by Jennifer M Jarik  
 Pro Video CG1 by Oran Sands III  
 Quality Video from a Quality Computer by Oran Sands III  
 Roomers by The Bandito  
 The Amicus Network by John Foust  
 Very Vivid! by Tim Grantham  
 Video and your Amiga by Oran Sands III

## Volume 2 Number 8 August 1987

68000 Assembly Language Programming on the Amiga by Chris Martin  
 Amiga Notes by Richard Rae  
 Bard's Tale by Eddie Churchill & Ken Shaefer  
 Disk 2 Disk Review by Matthew Leeds  
 Earl Weaver Baseball by Keith Conforti  
 Facets of Adventure by Eddie Churchill & Ken Shaefer  
 Faery Tale Adventure by Eddie Churchill & Ken Shaefer  
 Hidden Messages in Your Amiga by John Foust  
 King's Quest I, II and III by Steve Pietrowicz  
 Little Computer People by Marlene Zenker  
 Modula 2 Programming on the Amiga by Steve Faiwizewski  
 Portal A Computer Novel by Gerald Masters  
 Roomers by John Foust  
 SDI by Steve Hull  
 Sinbad and the Throne of the Falcon by Keith Conforti  
 Skinny C Programs by Robert Riemersma Jr

StarGlider by Warren Block  
 The Amicus Network by John Foust  
 The ColorFonts Standard by John Foust  
 The Consumer Electronics Show and COMDEX by John Foust  
 The Surgeon by Keith Conforti  
 Ultima III by Eddie Churchill & Ken Shaefer  
 Video Vegas by Michael Cabral

## Volume 2 Number 9 September 1987

AC BASIC by Sheldon Leemon  
 AC BASIC Compiler by Bryan Catley  
 AmigaBASIC Patterns by Bryan Catley  
 AmigaNotes by Rick Rae  
 Analyze 2.0 by Kim Schaffer  
 Bill Volk Vice President Aegis Development by Steve Hull  
 Diga! Telecommunications Package by Steve Hull  
 Directory Listings Under AmigaDOS by Dave Haynie  
 Gizmoz Productivity Set 2.0 by Bob Eller  
 Impact Business Graphics by Chuck Raudonis  
 Insider Memory Expansion by James O'Keane  
 Jim Goodnow Developer of Manx C by Harriet Maybeck Tolly  
 Kickwork by Harv Laser  
 Lattice C Compiler Version 3.10 by Gary Sarff  
 Leather Goddesses by Harriet Maybeck Tolly  
 Manx 3.4a Update by John Foust  
 Microbotics Starboard 2 by Steve Faiwizewski  
 Microfiche Filer by Harv Laser  
 Modula 2 Programming by Steve Faiwizewski  
 Mouse Time and TimeSaver by John Foust  
 Pagesetter by Rick Wirth  
 Programming with SoundScape by Todor Fay  
 Roomers by The Bandito  
 The AMICUS Network by John Foust

## Volume 2 Number 10 October 1987

68000 Assembly Language Programming on the Amiga by Chris Martin  
 AC-BASIC Compiler by Bryan Catley  
 All about Online Conferencing by Richard Rae  
 Amiga Artist Brian Williams by John Foust  
 Amiga BASIC Structures by Steve Michel  
 Amiga Forum on CompuServe by Richard Rae  
 Amiga Notes by Richard Rae  
 Amiga Pascal by Michael McNeil  
 Bug Bytes by John Steiner  
 dBMAN by Clifford Kent  
 Directory Listings Under Amiga DOS Part II by Dave Haynie  
 Fast File I/O with Modula 2 by Steve Faiwizewski  
 Max Headroom and the Amiga by John Foust  
 Quick and Dirty Bobs by Michael Swinger  
 Roomers by The Bandito  
 Taking the Perfect Screen Shot by Keith Conforti  
 The AMICUS Network by John Foust  
 Window I/O by Read Predmore

## Volume 2 Number 11 November 1987

68000 Assembly Language by Chris Martin  
 Aedit Review by Warren Block  
 AmigaNotes by Rick Rae  
 As I See it by Eddie Churchill  
 BASIC Text by Bryan Catley  
 Bug Bytes by John Steiner  
 C Animation Part II by Mike Swinger  
 Digi-Paint Review by Harv Laser  
 Do-it-Yourself Improvements to the Amiga Genlock by John Foust  
 File Browser by Bryan Catley  
 Fun with Amiga Numbers by Alan Barnett  
 Jez San Review by Ed Bercovitz  
 LPD Writer Review by Marion Deland  
 Modula 2 Programming by Steve Faiwizewski  
 Reason Preview  
 Roomers by The Bandito  
 Sculpt 3D Review by Steve Pietrowicz  
 Shadowgate Review by Linda Kaplan  
 Soundscape Part III by Todor Fay  
 TeleGames Review by Michael Cabral  
 The AMICUS Network by John Foust  
 VizaWrite Review by Harv Laser  
 Word Processors Rundown by Geoff Gamble  
 WordPerfect Review by Harv Laser

# AC's Back Issue Index

## Volume 2 Number 12 December 1987

15 Puzzle in AmigaBASIC by Zoltan Szeps  
A-Talk Plus Review by Brendan Larson  
Amiga Virus! by John Foust  
AmigaNotes by Richard Rae  
Animation for C Rookies Part III by M Swinger  
Animator: Apprentice Review by John Foust  
As I See it by Eddie Churchill  
Bug Bytes by John Steiner  
Calligrapher Review by John Foust  
CLI Arguments in C by Paul Castonguay  
Forth! by Jon Bryan  
GO! 64 Review by John Foust  
Insider/Kwikstart Review by Ernest Viveiros Sr  
Karate Kid Review by Stephen Pietrowicz  
Life, Part I: The Beginning by Gerald Hull  
MIDI Interface Adapter by Barry Massoni  
Modula 2 by Steve Faiwizewski  
Playing Dynamic Drums on the Amiga by David N Blank  
Roomers by The Bandito  
The Amicus Network by John Foust  
The Big Picture by Warren Ring  
The Sony Connection by Stewart Cobb  
The Ultimate Video Accessory by Larry White  
WordPerfect Review by Steve Hull

## Volume 3 Number 1 January 1988

68000 Assembly Language Programming by Chris Martin  
Amicus Network Special Report: Fall COMDEX by John Foust  
AmigaForum Transcript by Richard Rae  
AmigaNotes by Richard Rae  
As I See It by Eddie Churchill  
BSpread by Bryan Catley  
Bug Bytes by John Steiner  
C Animation Part IV by Michael Swinger  
FormatMaster Professional Disk Formatting Engine by Carl Mann  
Forth! by Jon Bryan  
Haicalc Review by Chuck Raudonis  
Investor's Advantage Review by Richard Knepper  
Life Part II by Gerald Hull  
Modula 2 Programming by Steve Faiwizewski  
Money Mentor Review by Stephen Kemp  
Roomers by The Bandito  
The Amicus Network by John Foust  
The Big Picture by Warren Ring  
The Ultimate Video Accessory Part II by Larry White  
VIP Professional Review by Suzanne Mitchell

## Volume 3 Number 2 February 1988

68000 Assembler Language Programming by Chris Martin  
AIrT by Steve Faiwizewski  
Arazok's Tomb by Kenneth E Schaefer  
Balancing Your Checkbook with WordPerfect Macros by Stev Hull  
Bug Bytes by John Steiner  
Forms in Flight by Steve Pietrowicz  
Hooked on the Amiga with Fred Fish by Ed Bercovitz  
Laser Light Shows with the Amiga by Patrick Murphy  
Leisure Suit Larry by Kenneth Schaefer  
Life Part III by Gerald Hull  
Mindlight 7 and People Meter by John Foust  
Modula 2 Programming by Steve Faiwizewski  
More Basic Text by Bryan Catley  
Our First Desktop Video by Larry White  
Phantasia by Kenneth Schaefer  
Photo Quality Reproduction with the Amiga and Digi-View by Stephen Lebas  
Roomers by The Bandito  
Silicon Dreams and the Jewel of Darkness by Kenneth Schaefer  
Solutions to Linear Algebra through Matrix Computations by Robert Ellis  
The Amicus Network by John Foust  
The Ultimate Video Accessory Part III by Larry White  
Two New Entries form Microbotics by John Foust

## Volume 3 Number 3 March 1988

A Conference with Eric Graham by John Foust  
Amiga Serial Port and MIDI Compatability for your A2000 by Lynn Ritter and Gary Rentz  
AmigaNotes by Richard Rae  
Benchmark Modula 2 Compiler by Richie Bielak  
Boolean Function Minimization by Stephen Hart  
Bug Bytes by John Steiner  
Desktop Video Part IV by Larry White  
Electric Network Solutions the Matrix Way by Robert Ellis  
FACC II by Graham Kinsey  
Flow by Pamela Rothman  
In the Public Domain by CW Flatte  
Jean Moebius Giraud by Edward Fadigan  
Modula 2 Programming by Steve Faiwizewski  
PAL Help by Perry Kivolowitz  
Perry Kivolowitz Interview by Ed Bercovitz  
Roomers by The Bandito  
Take Five! by Steve Hull  
The A.M.U.G. BBS List Compiled by Joe Rothman  
The Big Picture by Warren Ring  
The Hidden Power of CLI Batch File Processing by Joe Rothman  
Uninvited by Kenneth Schaefer

## Volume 3 Number 4 April 1988

Amiga Audio Guide  
Amiga Audio Sources  
Amiga-Tax/Canadian Version by Ed Bercovitz  
AmigaNotes by Rick Rae  
AudioMaster by Brendan Larson  
Bug Bytes by John Steiner  
Gels in Multi-Forth by John Bushakra  
Highlights from AmiExpo, Los Angeles by Steve Hull  
In the Public Domain by CW Flatte  
Macrobatcs by Patrick J Horgan  
Music Mouse by J Henry Lowengard  
Roomers by The Bandito  
SAM BASIC by Bryan Catley  
Take Five! by Steve Hull  
The Big Picture by Warren Ring  
The Ultimate Video Accessory Part V by Larry White  
Time Bandit by Keith Conforti  
Upgrade Your A1000 to A500/2000 Audio Power by Howard Bassen  
Writing a SoundScape Patch Librarian by Todor Fay

## Volume 3 Number 5 May 1988

68000 Assembly Language by Chris Martin  
Amiga Product Guide: Hardware Edition  
Amiga Trix III by Warren Block  
APL.68000 by Roger Nelson  
AssemPro by Stephen Kemp  
Book Reviews by Richard Grace  
Bug Bytes by John Steiner  
CBTREE by Michael Listman  
Extend by Bryan D Catley  
Hot on the Shelves! by Michael Cabral  
In the Public Domain by CW Flatte  
Interactive Startup Sequence by Udo Pernisz  
MindLight 7 by David N Blank  
Modula-2 by Steve Faiwizewski  
Proletariat Programming by Patrick Quaid  
Roomers by The Bandito  
Take Five! by Steve Hull  
The Big Picture by Warren Ring  
The Command Line by Rich Falconburg  
The Companion by Paul Gosselin  
VideoScape 3D 2.0 by David Hopkins

## Volume 3 Number 6 June 1988

Acquisition by David N Blank  
Amiga Working Groups by Perry Kivolowitz and Eric Lavitsky  
AmigaNotes by Rick Rae  
An Amiga Forum Conference by Jim Mackkraz  
An IFF Reader in Multi-Forth by Warren Block  
Basic Directory Service Program by Bryan Catley  
Bear Time by Steve Carter

Bug Bytes by John Steiner  
Butcher 2.0 by Gerald Hull  
C Notes from the C Group by Stephen Kemp  
Don't Give Me ZeroZero, or Clip Your Own by Mark Cashman  
Hot on the Shelves by Michael Cabral  
Product Guide: Software Tools Edition  
Reassigning Workbench Disks by John Kennan  
Roomers by The Bandito  
Son of Seven Assemblers by Gerald Hull  
Take Five! by Steve Hull  
The 1988 Commodore Amiga Developers Conference  
The Command Line by Rich Falconburg

## Volume 3 Number 7 July 1988

A First Look at Interchange by David Hopkins  
Amiga Product Guide: Video/Graphics Edition  
AmigaNotes by Rick Rae  
An Interview with Anim Man by Brendan Larson  
Bear Products MegaRex II Expansion RAM by Steve Carter  
Bug Bytes by John Steiner  
C Notes from the C group by Stephen Kemp  
Doug's Math Aquarium by Richie Bielak  
FrameGrabber Preview by Oran Sands  
Hot on the Shelves by Michael Cabral  
Linked Lists in C by William E Gammill  
Look, Up on the Screen, It's an Ami... It's a Pro... It's SuperGen by Larry White  
PD Serendipity by CW Flatte  
Perfect Vision by Bryan Catley  
ProWrite 2.0 Review by Pamela Rothman  
Roll Those Presses! by Barney Schwartz  
Roomers by The Bandito  
Take Five! by Steve Hull  
The Amiga at Spring COMDEX in Atlanta by Ed Bercovitz  
The Command Line by Rich Falconburg  
The Developing Amiga by Steve Pietrowicz

## Volume 3 Number 8 August 1988

Amiga Interface for Blind Users by Carl W Mann  
Amiga Product Guide: Games Edition  
Arakanoid by Graham Kinsey  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Capone by Joyce and Robb Hicks  
Casino Fever by Michael Carbral  
Dark Castle by Keith Conforti  
Deluxe Productions by Harv Laser  
Ebonstar by Keith Conforti  
Ferrari by Jeffrey Scott Hall  
Game Pizazz by Jeffrey Scott Hall  
Hot on the Shelves by Michael Cabral  
Leatherneck by Michael Creeden  
Modula-2 Programming by Steve Faiwizewski  
PD Serendipity by CW Flatte  
Ports of Call by Julie Landry  
Roomers by The Bandito  
Take Five! by Steve Hull  
The Command Line by Rich Falconburg  
The Developing Amiga by Stephen Pietrowicz  
TrackMouse by Darryl Joyce  
Tumblin' Tots by David Ashley  
Video in the Sunshine State by Stephen R Pietrowicz

## Volume 3 Number 9 September 1988

AmiExpo Midwest '88 by Michael Cabral  
Amiga Product Guide: Education Edition  
AmigaNotes by Richard Rae  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Computer Aided Instruction by Paul Castonguay  
Gels in Multi-Forth Part II Screenplay by John Bushakra  
Hot on the Shelves by Michael Cabral  
Intellitype by Harv Laser  
Roomers by The Bandito  
Shakespeare by Barney Schwartz  
Speeding up Your System by Tony Preston  
Take Five! by Steve Hull  
The Command Line by Rich Falconburg  
The Kideo Tapes by John Dandurand  
XSpects 3D by Steve Hull

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# AC's Back Issue Index

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Volume 3 Number 10 October 1988

A First Look at Deluxe PhotoLab by David Duberman  
 Bob and Ray Meet Frankenstein by Robert D'Asto  
 Bug Bytes by John Steiner  
 C Notes from the C Group by Stephen Kemp  
 CAI-Computer Aided Instruction: Part II by Paul Castonguay  
 Comparison of Multiscan Monitors by Steven Bender  
 Digital Signal Processing in AmigaBASIC by Robert Ellis  
 DiskMaster by Steve Hull  
 DSM: A MC68000 Disassembler by Gerald Hull  
 FBasic Language System by Patrick Quaid  
 HAM & AmigaBASIC by Bryan Catley  
 Hot on the Shelves by Michale Cabral  
 On the Crafting of Programs by David J Hankins  
 PD Serendipity by CW Flatte  
 Record Keeping for Free-Lancers: A Superbase Professional Tutorial by Marion Deland  
 Roomers by The Bandito  
 The Command Line by Rich Falconburg  
 The Developing Amiga by Steve Pietrowicz

## Volume 3 Number 11 November 1988

A2000 Hard Drive Round up by Sheldon Leemon  
 AProDraw Graphics Tablet by Keith Conforti  
 BASIC Linker by Brain Zupke  
 Bug Bytes by John Steiner  
 Desktop Publishing with ProPage by Barney Schwartz  
 Desktop Video VI: Adding the Third Dimension by Larry White  
 Game Pizzazz! by Jeffrey Scott Hall  
 Hot on the Shelves by Michael Cabral  
 Keyclick by Mike Duppung  
 Meet Modeler 3D by David Hopkins  
 More Linked Lists in C: Techniques and Applications by Forest W Arnold  
 On the Crafting of Programs by David Hankins  
 PD Serendipity by CW Flatte  
 Roomers by The Bandito  
 StarGliderII by Jeffrey Scott Hall  
 Structures in C by Paul Castonguay  
 The Developing Amiga by Steven Pietrowicz  
 WShell by Lawrence Lichtman

## Volume 3 Number 12 December 1988

AC/BASIC 1.3 by Bryan Catley  
 AmiExpo California '88 by Stephen Kemp  
 AmigaDOS, Assembly Language, and FileNotes by Dan Huth  
 Better Dead Than Alien by Jeffrey Scott Hall  
 Bug Bytes by John Steiner  
 C Notes from the C Group by Stephen Kemp  
 Converting Patch Librarian Files by Phil Saunders  
 E.C.T. SampleWare by Tim Mohansingh  
 Easy Menus in JForth by Phil Burke  
 EMPIRE by Stephen Kemp  
 Extending AmigaBASIC by John Kennan  
 Getting Started in Assembly by Jeff Glatt  
 Hot on the Shelves by Michael Cabral  
 Magellan: The Amiga Gets Smart by Steve Gillmor  
 PD Serendipity by CW Flatte  
 Roomers by The Bandito  
 The Command Line by Rich Falconburg  
 The Creation of Don Bluth's Dragon's Lair by Randy Linden  
 Thexder by Bruce Jordan  
 Virus Infection Protection (V.I.P) by Jeffrey Scott Hall

## Volume 4 Number 1 January 1989

Alive in 3D by Shams Mortier  
 Araknoid Imposter: Unmasking the Imposters by Jeffrey Scott Hall  
 C Notes from the C Group by Stephen Kemp  
 Death of a Process by Mark Cashman  
 How May I Animate Thee? Let Me Count the Ways by Shams Mortier

Industrial Strength Menus by Robert D'Asto  
 Las Vegas Comdex Report by Louise Brinkmann  
 On the Crafting of Programs by David J Hankins  
 Philadelphia World of Commodore by Chris Darsch & Rick Rae  
 Pointers, Function Pointers, and Pointer Declarations in C by Forest W Arnold  
 Questron II by Jeffrey Scott Hall  
 Roomers by The Bandito  
 Scrolling through SuperBitMap Windows by Read Predmore  
 Second Generation 2D Animation Software by Geoffrey Williams  
 STELLARYX Review by Stephen Kemp  
 Stop-Motion Animation on the Amiga by Brian Zupke  
 Sync Tips by Oran J Sands III  
 The Command Line by Rich Falconburg  
 The Wonderful World of Hashnique by Shams Mortier  
 What's the Diff? by Gerald Hull

## Volume 4 Number 2 February 1989

A Common User Interface for the Amiga by Jim Bayless  
 AmiForum by Steve Pietrwoicz  
 An Introduction to ARexx programming by Steve Faiwieszewski  
 C Notes from the C Group by Steven Kemp  
 Crunchy Frog by Jim Fiore  
 Max Morehead Interview by Richard Rae  
 Microfiche Filer Plus by Ronald Courier  
 MovieSetter: The Next Generation by Steve Gillmor  
 New Products and other Neat Stuff by Michael Creeden  
 On the Crafting of Programs by David J Hankins  
 Roomers by The Bandito  
 SPY by Steve Faiwieszewski  
 Super Bug Bytes by John Steiner  
 Superbase Professional by Marion Deland  
 Sync Tips by Oran Sands  
 The Command Line by Rich Falconburg  
 Torch 2081 by Jeffrey Scott Hall

## Volume 4 Number 3 March 1989

Air Warrior by Michael Mantino  
 AmigaTEX by Barney Schwartz  
 Benchmark 1: Fully utilizing the MC68881 by Read Predmore  
 Breaking the Bmap Barrier by Robert D'Asto  
 C Notes from the C Group by Stephen Kemp  
 Carrier Command by Lawrence Lichtmann  
 Double Play by Robert D'Asto  
 Falcon by Joe DiCara  
 flickerFixer by Steve Bender  
 Fractal Fundamentals by Paul Castonguay  
 Gizmoz 2.0 by Steve Carter  
 Image Processing with Photosynthesis by Gerald Hull  
 New Products and other Neat Stuff by Michael Creeden  
 Roomers by The Bandito  
 The Video Desk by Larry White  
 World of Commodore Toronto by Ed Bercovitz

## Volume 4 Number 4 April 1989

Adding a Hard Drive by John P Twardy  
 AmiExpo Art and Video Contest Winners by Steve Jacobs  
 AmiExpo NY '89 by Steve Gillmor  
 Bug Bytes by John Steiner  
 C Notes from the C Group by Stephen Kemp  
 Creating a Shared Library by John Baez  
 Hard Drives An Introduction by Jon A Boule  
 Menace by Jeffrey Scott Hall  
 MultiSort by Stev Faiwieszewski  
 New Products and Other Neat Stuff by Michael Creeden  
 Passing Arguments to AmigaBASIC by Brian Zupke  
 Roomers by The Bandito  
 Snapshot by R Brad Andrews  
 Sync Tips by Oran J Sands  
 Tax Break by Kim Schaffer  
 The Max Hard Drive Kit by Donald W Morgan

## Volume 4 Number 5 May 1989

A MIDI Out Interface by Br Seraphim Winslow  
 Aegis's AudioMaster II by Phil Saunders  
 An Amiga Adventure by Larry White  
 Bug Bytes by John Steiner  
 C Notes from the C Group by Stephen Kemp  
 Digitized Sounds in Modula-2 by Len A White  
 Dr T's MIDI Recording Studio by Tim Mohansingh  
 Electronic Arts' DeluxePaint III by David Duberman  
 Gold Disk's Professional Draw by R Shams Mortier  
 Insta Sound in AmigaBASIC by Greg Stringfellow  
 New Products and other Neat Stuff by Michael Creeden  
 New Wave Software's Dynamic Studio by Chuck Raudonis  
 On the Crafting of Programs by David J Hankins  
 PD Serendipity by CW Flatte  
 Roomers by The Bandito  
 Snapshot by R Brad Andrews  
 Sync Tips by Oran J Sands  
 The Amazing Audio Digitizer by Andre Theberge  
 The Business of Video by Steve Gillmor  
 Uninterrupted Power Source (UPS) Part I by Steve Bender  
 Who are you, Mr Guru? by David Martin

## Volume 4 Number 6 June 1989

Adventures in ARexx by Steve Gillmor  
 Amiga Video: Ninety Percent Preparation by Otto Focus  
 At Your Request by John F Weiderhim  
 Bug Bytes by John Steiner  
 C Notes from the C Group by Stephen Kemp  
 CMI Accelerator Processor Review by Rich J Grace  
 Digi-View Gold - It's Gold! by Bruce Jordan  
 Diskless Compile in C by Chuck Raudonis  
 Exploring Amiga Disk Structures by David Martin  
 KindWords 2.0 Review by Marion Deland  
 NAG Review by Marion Deland  
 New Products & other Neat Stuff  
 PageStream Part I by Barney Schwartz  
 PD Serendipity by CW Flatte  
 Programming the "881 Part II by Read Predmore  
 Ray Tracing in AmigaBASIC by Michael Morrison  
 Roomers by The Bandito  
 UPS Part II by Steve Bender

## Volume 4 Number 7 July 1989

1989 Spring Comdex, Chicago by Ed Bercovitz  
 Adapting Analog Joysticks to the Amiga by Davdi Kinzer  
 Amazing Amiga Games Listing  
 An Inside Look at UltraCard by Steve Gollmor  
 Ask AC  
 Baal by Derek J Perry  
 Battle Chess by Jeffrey Scott Hall  
 Bug Bytes by John Steiner  
 C Notes from the C Group by Stephen Kemp  
 DataStorm by Paul Costa  
 Deja Vu by Bruce Jordan  
 Dungeon Master by Graham Kinsey  
 HardCopy by Melissa Bernier & Paul Costa  
 Hole-in-One Miniature Golf by Stephen Kemp  
 Lords of the Rising Sun by Derek J Perry  
 New Products by Elizabeth G Ferdorzyn  
 PD Serendipity  
 Roomers by The Bandito  
 Snapshot by R Bradley Andrews  
 The Duel by Joe DiCara  
 The Video Desk by Larry White  
 Using Coordinate Systems by Paul Castonguay  
 Wayne Gretzky Hockey by Bob Borgen  
 Western Games by Stephe Kemp  
 Zany Golf by Joe DiCara

## Volume 4 Number 8 August 1989

Amiga Video Companies  
 Broadcast Titler by R Shams Mortier  
 Bug Bytes by John Steiner  
 Building a Better String Gagdet by John Bushakra  
 C Notes by Stephen Kemp

# AC's Back Issue Index

DevCon by Mike Morrison  
Executing Batch Files in AmigaBASIC by Mark Aydelotte  
Getting Started in Video by Richard Starr  
Hardcopy by Melissa Bernier  
International Soccer by Derek J Perry  
Intruder Alert by Mike Morrison  
Lattice 5.0 by Gerald Hull  
Magni 4004 Genlock by Oran Sands III  
MediaPhile by Larry Krieff  
New Products by Elizabeth Fedorzyn  
On Your Alert: Using System Alerts from BASIC by John Wiederhim  
Pro Video Gold by Oran Sands III  
Roomers by The Bandito  
Snapshot by R Brad Andrews  
Superplan by Marion Deland  
V1.4: A Pre Preview by Mike Morrison

## Volume 4 Number 9 September 1989

AmiExpo '89  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Cell Animation in Modula-2 by Nicholas Cirasella  
DeluxePaint III the Inside Story by Ben & Jan Means  
Design 3D Review by R Shamms Mortier  
Digitizing Color Slides and Negatives on the Amiga by Ron S Gull  
Fractal Presentation by David Hiestand  
Gels in Multi-Forth Part III by John Bushakra  
HardCopy by MJ Bernier  
High Octane Colors by Robert D'Asto  
Improving Your Graphics Programming by Richard Martin  
Jay Miner Interview by Steve Gillmor  
Memory Squares by Mike Morrison  
New Products by Elizabeth Fedorzyn  
Page Render 3D Review by Michael Fahrion  
Pixels at an Exhibition: The Video by R Shamms Mortier  
Roomers by The Bandito  
Scene Generator Review by R Shamms Mortier  
Secrets of Visual Synthesis by David Duberman  
Snapshot by Brad Andrews  
T-Shell by Rich Falconburg  
Video Schmideo by Barry Solomon

## Volume 4 Number 10 October 1989

A1000 Rejuvenator by Richard Rae  
APL & the Amiga by Henry Lippert  
Better TrackMouse by Robert Katz  
Big Machine on Campus by Joel Hagan  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Commodore's Educator  
Function Evaluator in C by Randy Finch  
Glatts' Gadgets by Jeff Glatt  
HiSoft Compiler by Cole Calista  
JForth Professional by Jack Woehr  
More Requestors in AmigaBASIC by John Wiederhim  
Multi-Forth by Lonnie Watson  
New Products by Elizabeth Fedorzyn  
No Fishing! by Graham Kinsey  
PD Serendipity by Mike Morrison  
Reading 'riting and resolution by Joe DiCara  
Roomers by The Bandito  
Saving 16-color Pictures in High-Resolution by Paul Castonguay  
SimCity Conference by Richard Rae  
SimCity Review by Miguel Mulet  
Snapshot by R Brad Andrews  
The Amiga in Higher Education by Tony Preston  
Tshell Part II by Rich Falconburg  
Typing Tutor by Mike Morrison  
Video Schmideo by Barry Solomon

## Volume 4 Number 11 November 1989

64 Colors in AmigaBASIC by Bryan Catley  
Ami X-10 Software by Mike Morrison  
APL & the Amiga Part II by Henry Lippert  
BattleHawks by Phil Saunders

Bored with Boards by Lonnie Watson  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Commodore A590 Hard Drive Plus by Paul Costa  
Fast Fractals by Hugo MH Lypkens  
FastPix by Scott Steinman  
Learning the Hard Way by Phil Saunders  
Multitasking in Fortran by Jim Locker  
New Products by Elizabeth Fedorzyn  
PD Serendipity by Mike Morrison  
Populous by Miguel Mulet  
Roomers by The Bandito  
Snapshot by R Brad Andrews  
Spirit Technology's HDA-506 by Chuck Raudonis  
Spritz by R Shamms Mortier  
Starships 2050 by Mike Morrison  
Supra Controller by Jon A Boule  
The Amiga Hardware Interface by John Iovine  
The Command Line by Rich Falconburg  
UPS Tests and Reviews by Steve Bender  
Video Schmideo by Barry Solomon  
War in the Middle Earth by Rich J Grace

## Volume 4 Number 12 December 1989

A CLI Beginner's Questions Answered by Mike Morrison  
AmiExpo Santa Clara by Rosie O'Grady  
Amiga Circuits by John Iovine  
Archipelagos by Miguel Mulet  
ARexx Part II by Steve Gillmor  
Behid the Scenes by Geoffrey Williams  
Blood Money by Joe Di Cara  
Bug Bytes by John Steiner  
C Notes by Stephen Kemp  
Commercial Rollout by Jean & Ben Means  
Dear TIME by Don Hicks  
Delphi Noetic's F-BASIC 2.0 by Robert J Tiess  
Gunship by Derek Perry  
Leggo My LOGO by Mike Morrison  
New Products by Elizabeth Fedorzyn  
No Fishing by Graham Kinsey  
Paperbor by R J Hicks  
PD Serendipity by Mike Morrison  
Roomers by The Bandito  
Snapshot by Brad Andrews  
Support Your Local Library by Marion Deland  
The Command Line by Rich Falconburg  
The Great Amiga Holiday Games Tip by Barry Solomon  
The MIDI Must Go Thru by Br Seraphim Winslow  
Trees and Recursion by Forest W Arnold  
Video Schmideo by Barry Solomon  
View from the Inside by Melissa Jordan Grey

## Volume 5 Number 1 January 1990

Amiga Circuits by John Iovine  
Anim-Aids by Barry Solomon  
Animation for Everyone by Barry Solomon  
Animation with Sculpt-Animate 4D by Lonnie Watson  
Animation? BASICally by Mike Morrison  
Brushing up on Animation by Barry Solomon  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Dear Animators by Barry Solomon  
Dual Demo by Thomas Eshelman  
Facing the CLI by Mike Morrison  
Its Colder than You Think by Robert Klimaszewski  
Ladies and Gentlemen, we give you The Winner by Bradley Schenck  
Menu Builder by Tony Preston  
More Advice for A1000 Upgrades by Richard Taylor  
New Products by Elizabeth Fedorzyn  
No Fishing by Graham Kinsey  
PD Serendipity by Mike Morrison  
Pic Magic: A Product Profile by Orlando Furioso  
Roomers by The Bandito  
Scanning the Screen by Paul Castonguay  
Snapshot by R Bradley Andrews  
Thinker by Robert Klimaszewski  
Video Schmideo by Barry Solomon

## Volume 5 Number 2 February 1990

A Beginner's Guide to Desktop Publishing on the Amiga by John Steiner  
A Desktop Publishing Primer  
Amiga Circuits by John Iovine  
Amiga Desktop Publishing - A New Era?  
Amiganet by Ernest P Viveiros Jr  
An Amiga Conundrum by David Senger  
Benchmark Modula-2 Source Level Debugger by Steve Faiwizewski  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Call Assembly Language from BASIC by Martin F Combs  
COMDEX '89 by Ed Bercovitz  
Desktop Publishing Glossary  
New Products by Elizabeth Fedorzyn  
PD Serendipity by Mike Morrison  
Resizing the Shell/CLI Windows by William A Jones  
Roomers by The Bandito  
ScanLab by Perry Kivolowitz  
Snapshot by R Bradley Andrews  
Video Schmideo by Barry Solomon  
VTX On-Line by Cole Calista  
Who! What! When! Where! by Mike Hubbart  
You too Can Have a Dynamic Memory by Randy Finch

## Volume 5 Number 3 March 1990

An Introduction to MIDI by R Shamms Mortier  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
C-ZAR by R Shamms Mortier  
Computer Graphics: A User's Guide for Artists and Designers by Barry Solomon  
Dr T's Keyboard Controlled Sequencer by Phil Saunders  
Elan Performer by R Shamms Mortier  
Master Tracks Pro Vs Bars&Pipes by Ben Means  
Music Titler by Brian Zupke  
Music-X by Rob Bryanton  
New Products by Elizabeth Fedorzyn  
Omni-Play Basketball by Derek J Perry  
PD Serendipity by Mike Morrison  
Roomers by The Bandito  
Screen Aid by Bryan Catley  
Snapshot by R Bradley Andrews  
Synthia Professional by David Duberman  
The Command Line by Rich Falconburg  
TV Text Professional by Barry Solomon  
Video Schmideo by Barry Solomon

## Volume 5 Number 4 April 1990

Baud Bandit by Cletus Baker  
Bio-feedback/Lie Detector Device by John Iovine  
Bridgeboard Q&A by Marion Deland  
Bridging the 3.5" Chasm by Karl D Belsom  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Distant Suns by Mike Hubbart  
Gambling with Your Video, Amiga Style by Oran Sands  
Ham Bones by Robert D'Asto  
Handling Gadget & Mouse IntuiEvents by Jeff Glatt  
Handling MS-DOS Files by Jim Locker  
Indiana Jones by Miguel Mulet  
Latest Amiga News  
New Products by Elizabeth Fedorzyn  
PD Serendipity by Mike Morrison  
Roomers by The Bandito  
Snapshot by R Brad Andrews  
The Amiga 2500/30 by Lonnie Watson  
The Command Line by Rich Falconburg  
Transcript by Steve S Matsumoto  
Xetec SCSI Controller by Phil Saunders

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# AC's Back Issue Index

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Volume 5 Number 5 May 1990

Amiga 3000  
AwardMaker Plus by Joe Di Cara  
Blockout by Miguel Mulet  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Do It By Remote by Andre Theberge  
Faster BASIC Mouse Input by Michael S Fahrion  
Getting Started with Deluxe Video III by David Johnson  
New Products by Greg Young  
NewTek's Video Toaster  
OPERATION: Counterstrike Falcon Mission Disk by Joe Di Cara  
PD Serendipity by Mike Morrison  
Print Utility by Brian Zupke  
Roomers by The Bandito  
Rounding off Your Numbers by Sedgwick Simons Jr  
Show Report by E G Fedorzyn  
Snapshot by R Brad Andrews  
Super Bitmaps in BASIC by Jason Cahill  
The Command Line by Rich Falconburg  
Turbo by Miguel Mulet  
Turn Your Amiga Into a ROM-based Machine by George Gibeau Jr

## Volume 5 Number 6 June 1990

Amiga Turtle Graphics by Dylan McNamee  
APL and the Amiga by Henry T Lippert  
Battle Squadron by Tony Preston  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
C++ by Scott B Steinman  
Cherryware by Julie Petersen  
Commodore's Launch  
Convergence by Paul Castonguay  
DigiMate III by Frank McMahon  
Mail Order Macros by Armando Cardenas  
New Products  
PageStream 1.8 by John Steiner  
PD Serendipity by Aimee B Abren  
Pipe Dream by Miguel Mulet  
Rapid Fire Joystick by John Iovine  
Roomers by The Bandito  
Snapshot by Brad Andrews  
The AM 512 by James Bentley  
The Command Line by Rich Falconburg  
WordPerfect Macros by Mike Hubbard  
Workbench 2.0  
World of Amiga, New York

## Volume 5 Number 7 July 1990

Adventures Through Time: The Scavenger Hunt by Miguel Mulet  
AmiExpo '90 Basel, Switzerland by Peter Sacks  
Apples, Oranges and MIPS by Ernest P Viveiros Jr  
Batman: The Movie by Miguel Mulet  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Commodore Announces CDTV  
Crunchy Frog II by Jim Fiore  
Exceptional Conduct by Mark Cashman  
Getting to the Point by Robert D'Asto  
Hyperchord by Howard Bassen  
New Products  
PD Serendipity by Aimee Arbren  
Pixound by R Shamms Mortier  
Poor Man's Spreadsheet by Gerry L Penrose  
Roomers by The Bandito  
Snap, Crackle & Pop! by Richard Landry  
Snapshot by R Bradley Andrews  
Synchronicity by John Iovine  
The Command Line by Rich Falconburg  
The Jetsons by Miguel Mulet  
Tree Traversal and Tree Search by Forest W Arnold

## Volume 5 Number 8 August 1990

AmiExpo Chicago '90  
Amiga DEVCON '90 by Ernest P Viveiros Jr  
Amigas in Television by Frank Mc Mahon  
APL and the Amiga by Henry T Lippert  
Breaking the RAM Barrier by Frank McMahon  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Credit Text Scroller by Frank Mc Mahon

Desktop Video in a University Setting by John Steiner  
Fully Utilizing the 68881 Math Coprocessor by Read Predmore  
Graphic Suggestions by Bill Burkett  
Mapping the Amiga by Joe Graf  
MidiQuest by Hal Belden  
Mimetics FrameBuffer by Lonnie Watson  
New Products by Elizabeth G Fedorzyn  
PD Serendipity by Aimee Abren  
Roomers by The Bandito  
Snapshot by R Bradley Andrews  
The Amiga Goes to the Andys by Curt Kass  
The Command Line by Rich Falconburg  
The VidTech ScanLock by Oran Sands  
Title Page by Frank McMahon  
Title Screens That Shine by Frank Mc Mahon

## Volume 5 Number 9 September 1990

3D Professional by David Duberman  
Acting on Impulse by John Steiner  
Breaking the Color Limit with PageRender3D by R Shamms Mortier  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
CygCC by Duncan Thompson  
FrameGrabber by Frank McMahon  
Future Wars: Adventures in Time by Miguel Mulet  
Gradient Color Dithering on the Amiga Made Easy by Francis M Gardino  
How Pro is 3D Professional by Frank McMahon  
KARA Fonts by R Shamms Mortier  
KCS 3.0 Review by Phil Saunders  
New Products by Elizabeth Fedorzyn  
Programming in C on a Floppy System by Paul Miller  
Roomers by The Bandito  
Scene Generator by R Shamms Mortier  
Sculpt Script by Christian Aubet  
Snapshot by R Brad Andrews  
Stock Portfolio by G L Penrose  
The Art Department by R Shamms Mortier  
The Game of Harmony by Joe Di Cara  
Time Out! by Mark Cashman  
Voice-Controlled Joystick by John Iovine

## Volume 5 Number 10 October 1990

Aegis Draw 2000 by Douglas Bullard  
Atlanta 1996  
Audio Illusion by Craig Zupke  
AutoPrompt by Frank McMahon  
Be a VAR  
BioMetal by John Iovine  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Call Assembly Language from Modula 2 by Martin Combs  
Centaur's World Atlas V2.0 by Jeff James  
IntroCAD Plus by Douglas Bullard  
Koch Flakes by Paul Castonguay  
New Products  
Notes on PostScript Printing with Dr T's Copyist by Hal Belden  
PD Serendipity by Aimee B Abren  
ProMotion by Michael DeSpezio  
Roomers by The Bandito  
Saxon Publisher by David Duberman  
Snapshot by R Bradley Andrews  
Sound Tools for the Amiga by Morton A Kevelson  
Stripping Layers off Workbench by Keith Cameron  
UltraDesign by Douglas Bullard  
X-CAD As it Gets by Douglas Bullard

## Volume 5 Number 11 November 1990

A Little Closer to Excellence by Kim Schaffer  
Amiga Vision by John Steiner  
Bug Bytes by John Steiner  
Build an Amiga 2000 Keyboard Adapter for the Amiga 1000 by Phillip R Combs  
C Notes from the C Group by Stephen Kemp  
Fixing the Flicker by John Steiner  
Getting a Lot for a Little by Greg Epley  
High Density Media Comes to the Amiga by John Steiner

Looking Beyond the Baud Rate by Ernest P Viveiros Jr  
Mindware's 3D Text Animator by Frank McMahon  
New Products  
PD Serendipity by Aimee Abren  
Roomers by The Bandito  
SAS/C Compiler by Bruce M Drake  
Snapshot by R Bradley Andrews  
The KCS Power PC Board by Ernest P Viveiros Jr  
Video Expo New York

## Volume 5 Number 12 December 1990

Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Feeding the Memory Monster by Ernest P Viveiros Jr  
Hard Disk Primer for Floppy Users by Rob Hays  
Imperium by Tony Preston  
Information X-Change by Rick Broida  
Loom by Miguel Mulet  
Making a Name for Yourself by Frank Mc Mahon  
MathVision by R Shamms Mortier  
McGee & McGee Visit Katie's Farm by Jeff James  
MidWinter by Miguel Mulet  
New Products  
PD Serendipity by Aimee Abren  
Pro Video Post by Frank McMahon  
Roomers by The Bandito  
Shotgun Approach to Programming with AmigaBASIC by Mike Morrison  
Snapshot by R Bradley Andrews  
Stepper Motors by John Iovine  
Twin Peaks Amiga Show Report  
Wings by Rick Broida

## Volume 6 Number 1 January 1991

Aimation with the Sculpt Family by David Duberman  
Animation Chart  
Animation Station by David Duberman  
Animation with 3D Professional by David Duberman  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Cartoon Animation by D L Richardson  
Elan Performer & Animation by David Duberman  
Electronic Color Splitter by Greg Epley  
Forensic Animation by Andrew Lichtman  
Medley by Phil Saunders  
Memory and Animation by Chris Boyce  
New Products by John Rezendes  
On The Road Amiga '90 COMDEX  
PD Serendipity by Aimee Abren  
Professional Draw 2.0 by R Shamms Mortier  
Programming in AmigaBASIC by Mike Morrison  
Roomers by The Bandito  
SketchMaster by Ernest P Viveiros Jr  
Snapshot by R Bradley Andrews  
Spell-A-Fari by Jeff James  
The Animation Studio by Frank McMahon  
Turbo Silver Animation by David Duberman  
ZoomBox by John Leonard

## Volume 6 Number 2 February 1991

ANIMagic by Rajesh Goel  
BGraphics by Chuck Raudonis  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
dataTAX by Daryell Sipper  
Distant Suns Libraries by Jeff James  
Diversions  
Gold Disk Office by Chuck Raudonis  
Gold Disk's Desktop Budget by Chuck Raudonis  
Medley by Phil Saunders  
More Ports for Your Amiga by Jeff Lavin  
New Products by John Rezendes  
PD Serendipity by Aimee Abren  
Roomers by The Bandito  
Sharing Your Amiga Hard Drive with the Bridgeboard by Gene Rawls  
The 9 to 5 Amiga by Daryell Sipper  
Xetec's CDx 650 by Lonnie Watson

# AC's Back Issue Index

## Volume 6 Number 3 March 1991

An Impulse to Imagine by R Shamms Mortier  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
Diversions  
Macro Paint by R Shamms Mortier  
Medley by Phil Saunders  
New Products by John Rezendes  
NewTek's Video Toaster: A New Era in Amiga  
Video by Frank McMahon  
PD Serendipity by Aimee Abren  
Programming in AmigaBASIC: Conditionals by Mike Morrison  
Quarterback Tools by John Steiner  
Roomers by The Bandito  
Spirit Technology's HDA-506 by Mike C Corbett  
Top Form by Jeff James  
Ultrasonic Ranging System by John Iovine  
Winter '91 CES  
Writing Faster Assembly Language by Martin F Combs

## Volume 6 Number 4 April 1991

Blitz Basic by Paul Castonguay  
Bug Bytes by John Steiner  
C Notes by Steve Kemp  
DCTV by Frank McMahon  
Diversions  
Fractals VI by Paul Castonguay  
Graphic Word Processors  
ImageFinder by John Steiner  
KindWords by Chuck Raudonis  
Lauren in Disguise by Merrill Callaway  
Medley by Phil Saunders  
New Products and other Neat Stuff by John Rezendes  
Pen Pal by Bryan Catley  
ProWrite by Kim Schaffer  
QuickWrite by Rick Broida  
Roomers by The Bandito

## Volume 6 Number 5 May 1991

A3000T by Ernest Viveiros, Jr.  
All-In-One review by Kim Schaffer  
Big 3 in DTP by Richard Mataka  
Bridgeboards & System Expansion by Mark Pardue  
Bug Bytes by John Steiner  
Diversions  
Harmoni MIDI Sequencer review by Rick Manasa  
M.A.S.T SCSI Adapter review by Dan Michaelson  
Medley by Phil Saunders  
New Products by John Rezendes  
PD Serendipity by Aimee Abren  
Prac. Modula-2 Buffered Disk I/O by Michal Todorovic  
Roomers by The Bandito  
Scala review by Ernest Viveiros, Jr.  
Service Bureaus by John Steiner  
The Amiga Takes Manhattan  
VideoMaster review by Oran Sands

## Volume 6 Number 6 June 1991

Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
CDTV  
Disk Labeller by Jeff James  
Diversions  
Electric Thesaurus by Jeff James  
HAM-E by David Johnson  
MaxiPlan Plus 2.0 by Chuck Raudonis  
Medley by Phil Saunders  
New Products  
PD Serendipity by Aimee Abren  
Pixel 3D by Frank McMahon  
Practicalities by Randy Finch  
Professional Page 2.0 by Rick Broida  
Roomers by The Bandito  
The Art of Selecting and Setting Gadgets in C by Jim Fiore  
Writing It in Stone by Brandon Nelson

## Volume 6 Number 7 July 1991

ATonce v1.27 by Richard Mataka  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
CES Part 1 by Don Hicks  
Diversions  
Fancy Numbers by Lynwood Cowan  
Firecracker 24 by Frank McMahon  
Medley by Phil Saunders  
New Products  
PageStream v 2.1 by John Steiner  
PD Serendipity by Aimee B Abren  
Printing Envelopes by Patricia Zabka Kaszycki  
Proper Grammar by Paul Larrivee  
Roomers by The Bandito  
The Director v2 by Greg Epley

## Volume 6 Number 8 August 1991

AlterImage Video F/X by Frank McMahon  
Bug Bytes by John Steiner  
C Notes from the C Group by Stephen Kemp  
CES Summer Chicago '91  
ChromaKey by Frank McMahon  
Diversions  
Genlock Holmes by Paul Larrivee  
Image Spinning by Paul Larrivee  
Looking Good with B.A.D. by Rick Manasa  
Medley by Phil Saunders  
Message Logger by Brian Zupke  
New Products  
PD Serendipity by Aimee Abren  
Power Basic by Jonathan Horne  
Professional Rendering and Animation with LightWave 3D by Mark Thompson  
Roomers by The Bandito  
Sonar Ranging System by John Iovine  
Super 8 Meets Amiga by Patrik Beck  
The Jerry Bryant Show  
Time Base Correctors by Matt Drabick  
Understanding Genlocks by Matt Drabick

## Volume 6 Number 9 September 1991

Animation 101 by Frank McMahon  
Bug Bytes by John Steiner  
Diversions  
DynaCADD by Doug Bullard  
Framebuffer Face-Off by Frank McMahon  
Getting Started with AmigaVision by Dave Spitler  
Graphics Workshop by R Shamms Mortier  
HyperBook by Dave Spitler  
Medley/Bars&Pipes Professional by Phil Saunders  
New Products by Tim Duarte  
PD Serendipity by Aimee Abren  
Puzzled over ARexx by Merrill Callaway  
Roomers by The Bandito  
SoftClips by Jeff James  
SpectraColor by Jeff James  
World Wide Amiga Coverage Sydney Australia to Orlando Florida

## Volume 6 Number 10 October 1991

APL and the Amiga by Henry Lippert  
Bug Bytes by John Steiner  
CLAS by Paul Larrivee  
Discovering Discovery by Kim Schaffer  
Diversions  
Doing Big Things in a Small Place by Thorwald Esbensen  
File Decompression Using ARexx by Randy Finch  
Jazz through MIDI by Rick Manasa  
KCS by Phil Saunders  
LabelDex! by Bill Frazier  
New Products and Other Neat Stuff by Timothy Duarte  
PD Serendipity by Aimee Abren  
Puzzled over ARexx by Merrill Callaway  
Ready Robot Club Disk Magazine by Timothy Duarte  
Roomers by Bandito  
ShowMaker by Frank McMahon  
Stripping Layers off Workbench by Jack Helser  
Teacher's Toolkit by Paul Larrivee  
The Art Department Professional by Merrill Callaway

## Volume 6 Number 11 November 1991

Bug Bytes by John Steiner  
Clean up Time by Rob Hayes  
CSA Mega-Midget Racer by Mike Corbett  
Diversions  
DMI Resolver Display Card by Merrill Callaway  
Epson 300C Flat Bed Scanner by Merrill Callaway  
Impact Vision 24 by Frank McMahon  
Jump Tables in Modula 2 by Michal Todorovic  
Medley by Phil Saunders  
New Products by Tim Duarte  
PC Viewer, Model 5000CX by Merrill Callaway  
PD Serendipity by Aimee Abren  
Roomers by The Bandito  
Sharp Wizard by Miguel Mulet  
Superbase 3 vs Superbase 4 by Rick Manasa  
Why Should You Use the CLI by Keith Cameron

## Volume 6 Number 12 December 1991

AmiExpo Oakland, CA  
AmigaDOS for the Beginner by Keith Cameron  
Animations Using BASIC and DeluxePaint by Paul Castonguay  
APL by Henry Lippert  
Audition 4 by Bill Frazier  
Bug Bytes by John Steiner  
CanDo by Dave Spitler  
COMDEX Fall '91  
Design Works by Matt Drabick  
Diversions  
Draw 4D Pro by R Shamms Mortier  
Medley by Phil Saunders  
MindLink by Richard Mataka  
New Products by Tim Duarte  
Newsletter Basics by Pat Kaszycki  
PD Serendipity by Aimee Abren  
Roomers by The Bandito  
TurboText by Tony Preston

## Volume 7 Number 1 January 1992

Bug Bytes by John Steiner  
DePuzzle by Scott Palmateer  
DiskMaster II by Rick Mataka  
Diversions  
European Amiga Excitement  
Getting the Most from Your RAM Disk by Keith Cameron  
Help for the Help Key by Rick Manasa  
Installing and Using an IBM Mouse with Your Amiga by Phillip R Combs  
Memories by Sam Ammons  
New Products by Tim Duarte  
Pixel 3D 2.0 by R Shamms Mortier  
Roomers by The Bandito  
The Buddy System by Chuck Raudonis  
The Personal Single Frame Controller by Frank McMahon  
ZipTerm by Doug Thain

## Volume 7 Number 2 February 1992

40/4 Magnum by Matt Drabick  
Amiga on Call by Dale B. Call  
And Furthermore by Jeff Gamble  
ARexx by Merrill Callaway  
Bug Bytes by John Steiner  
Deduct Interest w/ FC CALC by Rick Manasa  
Directory Opus by Merrill Callaway  
Diversions  
Finding Right Multimedia by Dave Spitler  
Grass Roots Amiga by William L. Roberts  
Images in Dentistry by Ken Larson  
Medley by Phil Saunders  
MIDI Quest or X-Or by Rick Manasa  
New Products by Timothy Duarte  
PD Serendipity by Don Hicks  
Perfect Pages by Joe Vidueira  
Personal Write by Paul Larrivee  
Roomers by The Bandito  
Secretary by Chuck Raudonis  
Signmaking on the Amiga by Karen Pringle  
World of Commodore Show by Don Hicks  
X-Or by Rick Manasa

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# AC's Back Issue Index

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Volume 7 Number 3 March 1992

ARexx by Merrill Callaway  
 Bug Bytes by John Steiner  
 CLI Directory by Keith Cameron  
 DeluxePaint IV by R Shamms Mortier  
 Diversions  
 Do You See a Change in Color by John Iovine  
 Epson EPL 7500 by Merrill Callaway  
 Interface Design Kit v1.5 by Dave Spitler  
 Medley by Phil Saunders  
 MegAChip 2000/500 by James Botelho  
 Miracle Piano Teaching System by Christopher Piper  
 MultiStart II Board by L S Lichtman  
 New Products by Tim Duarte  
 Programs that Work by Dave Spitler  
 Real 3D Pro 1.4 by R Shamms Mortier  
 Roomers by The Bandito  
 Sceery Animator by Frank McMahon  
 Screen Photography by Patricia Murphy  
 Semi-Automatic Painting and Animation by Kevin Lude  
 Show Report  
 The Video Slot by Frank McMahon  
 Video Blender by John Steiner

## Volume 7 Number 4 April 1992

And Furthermore by Timothy Duarte  
 ARexx by Merrill Callaway  
 Art Dept Pro v2.0 by Merrill Callaway  
 AT Once Plus Part 1 by Rich Mataka  
 ATOP 2286 Bridgeboard by Rich Mataka  
 Bug Bytes by John Steiner  
 Build a multi-sync monitor by John Iovine  
 Charts & Graphs by Bill Frazier  
 CLI Directory by Keith Cameron  
 Diversions  
 Foundation by Dave Spitler  
 Making a Video by Patrik Beck  
 Medley by Phil Saunders  
 New Products by Timothy Duarte  
 Producing a Video by D.L. Richardson  
 Programs that work Part 2 by Dave Spitler  
 ProVector by Jeff James  
 ProWrite by Rick Broida  
 Raydance by Frank McMahon  
 Roomers by The Bandito  
 Video Director by Frank McMahon  
 Video Slot by Frank McMahon

## Volume 7 Number 5 May 1992

600 Amiga Fonts by Morton Kvelson  
 AdIDE/40 Amiga 500 H.D. by Merrill Callaway  
 Ami-Back by Jeff James  
 And Furthermore by Phil South  
 ARexx by Merrill Callaway  
 Big 3 in DTP Part 2 by Rich Mataka  
 Bug Bytes by John Steiner  
 Building a MIDI Interface by John Iovine  
 CLI Directory by Keith Cameron  
 Distant Suns 4.0 by Jeff James  
 Diversions  
 Fonts & AmigaDOS 2.04 by Morton Kvelson  
 Installing AT Once Plus by Rich Mataka  
 Medley by Phil Saunders  
 Mlfont and MlOutline by Rich Mataka  
 New Products by Timothy Duarte  
 PD Serendipity by Don Hicks  
 Pelican Press by Jeff James  
 Printers by Dan Weiss  
 Roomers by The Bandito  
 SecureKey by Rich Mataka  
 Selecting & Using S. Clip Art by Jason R. Hardy  
 Video Slot by Frank McMahon

## Volume 7 Number 6 June 1992

Amiga Bible Search 1.1 by Dan Greenberg  
 AMOS by Jimmy Rose  
 And Furthermore by Jeff Gamble  
 ARexx by Merrill Callaway  
 Bridgeboard Exp. Part 2 by Rich Mataka  
 Bug Bytes by John Steiner  
 CDTV Consortium by Tim Duarte  
 CLI Directory by Keith Cameron

Digview Light project by Pat Kaszycki  
 Diversions  
 Freeze Frame Video Film Rec. by Merrill Callaway  
 Graphs of Forgotten Part 1 by Robert Arneson  
 HP DeskJet Color 500C by Rich Mataka  
 Make a to do list w/ Foundat. by Dave Spitler  
 Medley by Phil Saunders  
 MREAD by Chuck Wardin  
 Multimage to Multimedia by Dave Bailey  
 New Products by Timothy Duarte  
 Recipe Fax by Bill Frazier  
 REXX PLUS Compiler by Steve Kapplin  
 Roomers by The Bandito  
 Scala 1.1 by Kim Schaffer  
 Scan & Save and Merge It by Rich Mataka  
 Video Slot by Frank McMahon  
 World Tour Series by Bill Frazier

## Volume 7 Number 7 July 1992

Amiga Modem Rundown by Jeff Gamble  
 Amiga Point Node Software by David Slonosky  
 And Furthermore by Jeff Gamble  
 ARexx by Merrill Callaway  
 Background art to go by Frank McMahon  
 Bug Bytes by John Steiner  
 CLI Directory by Keith Cameron  
 Diversions  
 Foundex by Dave Spitler  
 G Force 040 by Rich Mataka  
 Genesis - the third day by Steve King  
 Graphs of Forgotten Part 2 by Robert Arneson  
 Hotlinks by Merrill Callaway  
 New Products by Timothy Duarte  
 New York and London Show  
 Parnet by Walter Steuber  
 Roomers by The Bandito  
 Superjam by John Steiner  
 Telecommunications by Rich Mataka  
 Usenet by Gary Fait  
 Video Slot by Frank McMahon

## Volume 7 Number 8 August 1992

Achieving 3-D Effects from 2-D Amiga Art by R Shamms Mortier  
 Amiga: The Key to Success by Don Doman  
 Animattes: Wedding Series and Personal Fonts  
 Maker by Matt Drabick  
 ARexx by Merrill Callaway  
 Broadcast Fonts 3D by Frank McMahon  
 Bug Bytes by John Steiner  
 Catch the New Amiga Wave: Generic Modelers are Here! by R Shamms Mortier  
 cli Directory by Keith Cameron  
 Digi-View 4.0 by Matt Drabick  
 Diversions  
 FantaVision by R Shamms Mortier  
 GVP's Digital Sound Studio by Matt Drabick  
 Hot Tips  
 ImageMaster by R Shamms Mortier  
 Neural Network by John Iovine  
 New Products and other Neat Stuff by Timothy Duarte  
 ProStream Plus by Rick Manasa  
 Roomers by The Bandito  
 Scala 500 by Joe DiCara  
 The Buddy System for Imagine by Oran J Sands  
 The Magic Kingdom by Rick Manasa  
 The Video Slot by Frank McMahon

## Volume 7 Number 9 September 1992

And Furthermore by Jeff Gamble  
 ARexx by Merrill Callaway  
 Bug Bytes by John Steiner  
 CLI Directory by Keith Cameron  
 Developing Desktop Savvy by Pat Kaszycki  
 Diversions  
 Graphic Word Processors by Merrill Callaway  
 Hard Disk Organizer by Kim Schaffer  
 KB Talker by Daryell Sipper  
 Lightwave 2.0 by Mark Thompson  
 LPCalc by Kim Schaffer  
 Mark's MathLab by Rick Manasa  
 Math Programs / Younger set by John Steiner  
 Maverick V3 by Henning Vahlenkamp  
 Modula 2 Color Dithering by Michal Todorovic

New Products by Timothy Duarte  
 Professional Calc by William M Frazier  
 Roomers by The Bandito  
 True Basic 2.0 by Paul Castonguay  
 Video Slot by Frank McMahon  
 WOCA Sydney 92 by Don Hicks  
 WShell 2.0 by Merrill Callaway

## Volume 7 Number 10 October 1992

Aladdin 4D by R Shamms Mortier  
 ARexx by Merrill Callaway  
 Bug Bytes by John Steiner  
 cli Directory by Keith Cameron  
 Diversions  
 Game Creation with AMOS by Jack Nowicki  
 Goin' Fishin' by Steve King  
 Hot Tips  
 Making Horror Films: Amiga Style by J.R. Bookwalter  
 MegageM's CellPro by Merrill Callaway  
 Modula-2 Part 2: The Color Match Algorithm by Michal Todorovic  
 Multi-colored Text in DPaint III by George Haasjes  
 MultiKick: Build a Multiple Kickstart Device by Daryl P Marietta  
 New Products & Other Neat Stuff by Timothy Duarte  
 NTSC Color by Oran J Sands  
 Optical Character Recognition by Rich Mataka  
 Pro-Net 2.0/Pro-Board 2.0 by John Iovine  
 Roomers by The Bandito  
 The Video Slot by Frank McMahon  
 Using the C Preprocessor by Kevin Musick  
 VXL 30 Accelerator by Jimmy Rose

## Volume 7 Number 11 November 1992

A-Max II Plus by Rick Mataka  
 Adding a Hard Drive to Your System by Rick Mataka  
 ARexx by Merrill Callaway  
 Beginning C by Chue Xiong  
 Blizzard Board by Rick Mataka  
 Bug Bytes by John Steiner  
 cli Directory by Keith Cameron  
 Diversions  
 DKB 2632 Memory Expansion for the A2630 Accelerator  
 Drawing with Draw by Jim Silks  
 ExpertDraw and Expert 4D Jr by Daniel Greenberg  
 Hardware Projects by Henning Valencamp  
 New Products by Elizabeth Harris  
 ProDraw 3.0 by R Shamms Mortier  
 Progressive 040/2000 by Rick Mataka  
 Quarterback 5.0 by Rick Manasa  
 Remap Magic by Patrik Beck  
 Roomers by The Bandito  
 Sneak Preview ! ASDG's MorphPlus by Merrill Callaway  
 Soft-Edged Shadows: Imagine That! by Marc Hoffman  
 The Video Slot by Frank McMahon  
 Toaster Toolkit by Frak McMahon

## Volume 7 Number 12 December 1992

ARexx by Merrill Callaway  
 Banners by Patricia Zabka Kaszycki  
 Boom Box by Rick Manasa  
 Bug Bytes by John Steiner  
 Caligari 2.1 by R Shamms Mortier  
 cli Directory by Keith Cameron  
 Diversions  
 Fern Gully and Rock-a-Doodle by Kim B Schaffer  
 New Products by Elizabeth Harris  
 OpalVision by Elizabeth Harris and Jeff Gamble  
 Pixound 2.1 by R Shamms Mortier  
 Polishing BASIC Programs by Marianne Gillis  
 Radioactive Monitors by John Iovine  
 Roomers by The Bandito  
 Structured Drawing & TrueBASIC by Paul Castonguay  
 The Video Slot by Frank McMahon  
 Valiant Little Terminal (VLT) by Merrill Callaway and Bill Ross  
 VistaPro 2.0 by Jeff James  
 Voyager 1.1 by Jeff James

# AC's Back Issue Index

## Volume 8 Number 1 January 1993

Generic Modelers: The Wave of the Future  
by R Shamms Mortier  
CrossDOS 5.0 & Cross PC by Merrill  
Callaway  
Commodore's A1200  
Teleradiology: The Amiga in Medicine  
"by Michael Tobin, MD, PhD"  
A Look at 24-bit Libraries  
by R Shamms Mortier  
Maple V by Dr Phil Morrison & Kim  
Schaffer  
Comdex Fall '92  
Future Entertainment Show by Phil South  
Final Copy II by Merrill Callaway  
KindWords3 by Joe DiCara  
MathVISION by Rob Hays  
TruePrint/24 by Merrill Callaway  
Back to Basics by Kim B Schaffer  
Image Compression with I.F.S. by John  
Iovine  
Using Laser Disc Players with the Amiga  
by Ron M Battle  
New Products & Other Neat Stuff by  
Elizabeth Harris  
Bug Bytes by John Steiner  
cli directory by Keith Cameron  
Roomers by The Bandito  
The Video Slot by Frank McMahon  
ARexx by Merrill Callaway  
Diversions

## Volume 8 Number 2 February 1993

PS 400  
One-Stop Music Shop by Rick Manasa  
Extending the AMOS Sort by Dave Senger  
Adding Color by Patricia Zabka Kaszycki  
Amiga Review  
Business Cards by Dan Weiss  
AD1012 by Rick Manasa  
HotLinks Edition 1.1 by Merrill Callaway  
RockKey and RocGen Plus by Farnk  
McMahon  
P.F.M. Plus by Rich Broida  
The PatchMeister by Rick Manasa  
PhunnyPhonemes by Rick Manasa  
The Fat A500 by Phillip R Combs  
The Fat A2000 by Phillip R Combs  
New Products & Other Neat Stuff by  
Elizabeth Harris  
cli directory by Keith Cameron  
ARexx by Merrill Callaway  
The Video Slot by Frank McMahon  
Bug Bytes by John Steiner  
Roomers by The Bandito  
Diversions

## Volume 8 Number 3 March 1993

MITE AVISTA by Terence Byrnes  
Forging a Head by Henrik Martensson  
AmigaVision Projects by William Murphy  
Building Your Business Image by Dan  
Weiss  
Crayon Titles by Patrik Beck  
Morph It by Merrill Callaway  
Toasty EFX for Babylon 5 by Les Paul  
Robley  
CES Winter '93 in Las Vegas  
Art Expression by Shamms Mortier  
DeluxePaint IV Videos by Greg Epley  
CineMorph by Shamms Mortier  
AMOS Professional by Jack Nowocki  
Amiga Action Replay MK III by Henning  
Vahlenkamp  
New Products & Other Neat Stuff by  
Elizabeth Harris  
Bug Bytes by John Steiner  
ARexx by Merrill Callaway  
The Video Slot Frank McMahon  
Roomers by The Bandito  
cli directory by Keith Cameron  
Diversions

## Volume 8 Number 4 April 1993

Triple Play Plus & SyncPro by Rick  
Manasa  
Video Music Box v1.6 by Shamms Mortier  
Fonts: Desktop Publishing Fundamentals  
by Dan Weiss  
Realistic Grasslands Using Imagine by  
Marc Hoffman  
Boost Your Productivity  
GoldenGate 386SX by Dietmar Postl  
VisionModeller 3D by Shamms Mortier  
Fun with Lettering by Merrill Callaway  
Morphus by Frank McMahon  
CanDo by Rob Hays  
MaxiPlan by Rick Broida  
Contact 2.0 by Kim Schaffer  
fingerTalk  
New Products & Other Neat Stuff by  
Elizabeth Harris  
cli directory by Keith Cameron  
The Video Slot by Frank McMahon  
Bug Bytes by John Steiner  
ARexx by Merrill Callaway  
Roomers by The Bandito  
Diversions

## Volume 8 Number 5 May 1993

Directory Opus by Merrill Callaway  
Doin' It with CanDo by Jeff Gamble  
One-Stop Music Shop by Rick Manasa  
Scientific Visualization by Joshua E  
Colwell  
Media Madness by David S Miller &  
Todor Fay  
Design & Dingbats by Dan Weiss  
Learning C by David Stockman  
SuperJAM! 1.1 by Rick Manasa  
Image-FX by R Shamms Mortier  
T.A.B.S. by Rick Manasa  
New Products & Other Neat Stuff by  
Elizabeth Harris

cli directory by Keith Cameron  
Bug Bytes by John Steiner  
ARexx by Merrill Callaway  
The Video Slot by Frank McMahon  
Roomers by The Bandito  
Diversions

## Volume 8 Number 6 June 1993

World of Commodore Amiga New York  
93  
AMOS Turns Professional by Jimmy Rose  
Structured Drawing by Dan Weiss  
Searching Medical Literature by Michael  
Tobin MD PhD  
A Simple Backup & Restore Program in  
ARexx by Everett M Green  
Smart Cards & Other Neat CanDo Tricks  
by Henrik Martensson  
Penny Pincher's Cross-Development  
System by Susan Hussein  
Design & Dingbats by Dan Weiss  
The Numbers Game by Rick Manasa  
Be Counted! Presentation Master  
by Merrill Callaway  
C.L.A.S.S. by Rick Manasa  
Toaster Cozzy by Merrill Callaway  
AdRAM 450 by Henning Valenkamp  
New Products & Other Neat Stuff by  
Elizabeth Harris  
cli directory by Keith Cameron  
Bug Bytes by John Steiner  
ARexx by Merrill Callaway  
Roomers by The Bandito  
The Video Slot by Frank McMahon  
Diversions

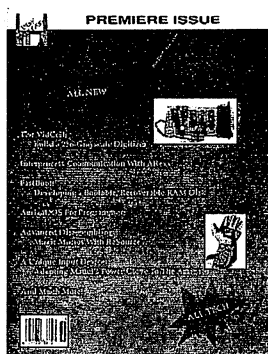
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|   |
|---|
| Table of Contents                       |
| How To Use<br>This Guide                |
| Graphic Arts                            |
| Desktop Video                           |
| Word Processing                         |
| Desktop Publishing                      |
| Music                                   |
| Education                               |
| Business & Home<br>Productivity         |
| Programming                             |
| Utilities                               |
| Entertainment                           |
| Miscellaneous<br>Software               |
| Drives                                  |
| Memory Expansion                        |
| Video Toaster                           |
| Video Hardware                          |
| Accelerators                            |
| Miscellaneous<br>Hardware               |
| CDTV                                    |
| Accessories<br>& Services               |
| Books & Tapes                           |
| Freely Redistributable<br>Software(FRS) |
| Cat Fish FRS Index                      |
| Fred Fish FRS Index                     |
| AMICUS FRS Index                        |
| AC's Back Issue<br>Index                |
| Vendor/Product<br>Registration          |
| User's Groups                           |
| Index of Advertisers                    |
| Vendor Information                      |
| Product Index<br>by Product             |
| Product Index<br>by Vendor              |
| Category Index                          |
| Last Minute Additions                   |

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# AC's TECH Back Issue Index



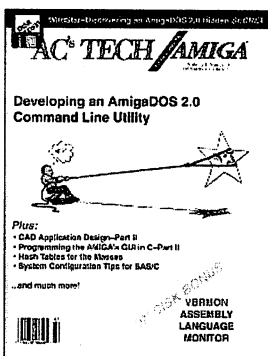
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 AmigaDOS for Programmers by Bruno Costa  
 AmigaDOS, EDIT and Recursive Programming Techniques by Mark Pardue  
 An Introduction to Interprocess Communication with AReXX by Dan Sugalski  
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 Silent Binary Rhapsodies by Robert Tiess  
 Using Intuition's Proportional Gadgets from FORTRAN 77 by Joseph R Pasek



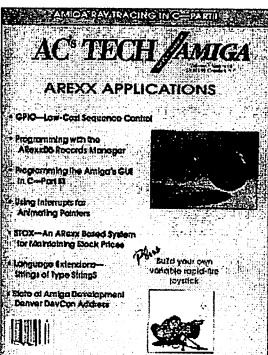
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 Adding Help to Applications Easily by Philip S. Kasten  
 CAD Application Design: Part I - World and View Transforms by Forest W. Arnold  
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 CAD Application Design Part II by Forest W. Arnold  
 Configuration Tips for SAS-C by Paul Castonguay  
 Hash for the Masses: An Introduction to Hash Tables by Peter Dill  
 Programming for HAM-E by Ben Williams  
 Programming the Amiga's GUI in C-Part II by Paul Castonguay  
 The Development of an AmigaDOS 2.0 Command Line Utility by Bruno Costa  
 Using RawDoFmt in Assembly by Jeff Lavin  
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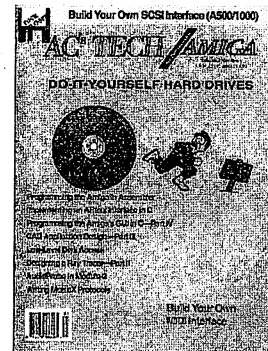
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 Language Extensions Strings of Type StringS by Jimmy Hammonds  
 Programming the Amiga's GUI in C Part III by Paul Castonguay  
 Programming with the AReXXDB Records Manager by Benton Jackson  
 State of Amiga Development Denver DevCon Address by Jeff Scherb  
 STOX An AReXX-Based System for Maintaining Stock Prices by Jack Fox  
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 The Varafire Solution: Build Your Own Variable Rapid-Fire Joystick by Lee Brewer  
 Using Interrupts for Animating Pointers by Jeff Lavin

# AC's TECH Back Issue Index

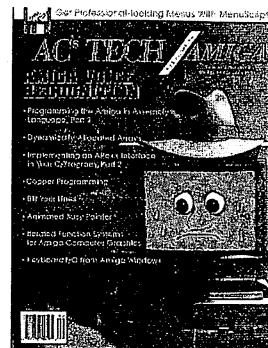
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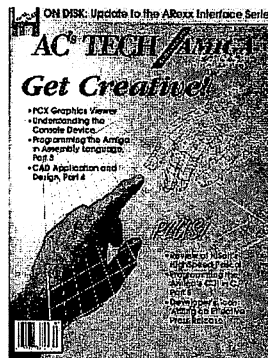
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 Blit Your Lines by Thomas Eshelman  
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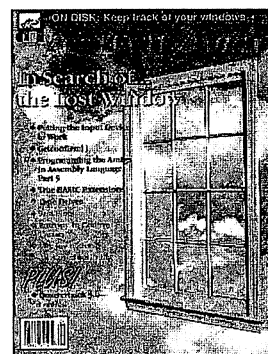
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 HighSpeed Pascal by David Czaya  
 PCX Graphics by Gary L. Fait  
 Programming the Amiga in Assembly Language Part III by William P. Nee  
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 In Search of the Lost Windows by Phil Burke  
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 Programming the Amiga in Assembly Language Part IV by William P. Nee  
 Putting the Input Device to Work by David Blackwell  
 Quarterback 5.0 a Review by Merrill Callaway  
 Tape Drives by Paul Gittings  
 The Joy of Sets by Jim Olinger  
 TrueBASIC Extensions by Paul Castonguay



### Table of Contents

How To Use  
This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home  
Productivity

Programming

Utilities

Entertainment

Miscellaneous  
Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous  
Hardware

CDTV

Accessories  
& Services

Books & Tapes

Freely Redistributable  
Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue  
Index

Vendor/Product  
Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index  
by Product

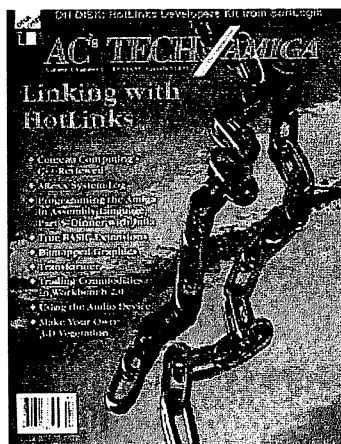
Product Index  
by Vendor

Category Index

Last Minute Additions

# AC's TECH Back Issue Index

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |



## AC's TECH Volume 3, Number 1

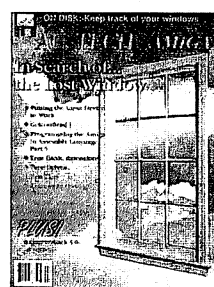
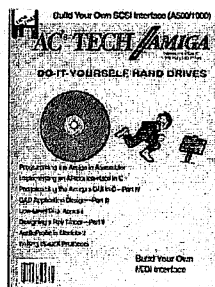
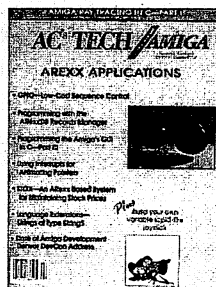
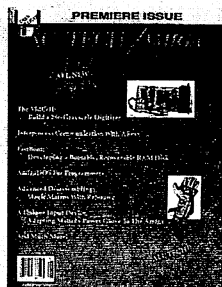
Comeau Computing's C++ by Forest Arnold  
 ARexx System Log by Paul Gittings  
 Bitmapped Graphics by Dan Weiss  
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 Programming the Amiga in Assembly Language Part V by William P. Nee  
 Trading Commodities in Workbench by Scott Palmateer  
 Using the Audio Device by Douglas Thain  
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 Linking with HotLinks by Dan Weiss



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Olé by Thomas J. Eshelman  
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☐ Check here if you are a new vendor

Please make as many copies of this form as needed.  
Include a separate form for each product to be listed.  
Please type or print clearly.

Please check one:

- ☐ New Product Listing  
☐ Updated Product Listing

### Vendor Information: (please be sure that company name is complete and accurate—watch use of caps)

|                |               |          |         |
|----------------|---------------|----------|---------|
| Company Name   |               |          |         |
| Address        |               |          |         |
|                |               |          |         |
| City           | State         | Zip Code | Country |
| Phone1         | Phone2        | FAX      |         |
| Contact Person | Contact Phone |          |         |

### Product Information: (please be sure that product name is complete and accurate—watch use of caps)

|  |
|--|
| Product Name                             |
| Product Category (see back of form)      |
| Version Information                      |
| Suggested Retail Price (in U.S. dollars) |
| If Affiliate Label, name affiliate       |
| Availability (when?)                     |

### Localization: Display (NTSC/PAL) / National Keyboards / Foreign Language Support / Foreign Distribution

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### System Requirements: CPU / RAM / Disk Drives / Operating System / Other

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### Product Description: (50-75 Words)

Please be descriptive—avoid hype language\* Attach additional sheets if necessary.

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BOOK/DOS

BOOK/ENTERTAINMENT

BOOK/GENERAL

BOOK/GRAPHICS

BOOK/PROGRAMMING

BOOK/TECHNICAL

BOOK/VIDEO

BOOKS/TUTORIALS

NEWSLETTERS

VIDEOTAPES/TUTORIALS

VIDEOTAPES/VIDEO

## BUSINESS

ACCOUNTING

BUSINESS & HOME PRODUCTIVITY

GENERAL

DATABASES

FINANCE

FORMS

INTEGRATED

MISCELLANEOUS

SPREADSHEET/UTILITIES

SPREADSHEETS

STATISTICAL ANALYSIS

VERTICAL MARKETS

## CDVT

CDTV

CDTV ACCESSORIES

## DESKTOP PUBLISHING

CLIP ART

DRAWING PROGRAMS

FORMS

FORMS

PRINT UTILITIES

TUTORIAL

## DESKTOP VIDEO

DESKTOP VIDEO GENERAL

FORMS

IMAGE PROCESSING

MISCELLANEOUS

UTILITIES

## DRIVES

DRIVES GENERAL

EXTERNAL FLOPPY DRIVES

HARD DRIVE CONTROLLER ONLY

HARD DRIVE CONTROLLER W/AUTOBOOT & EXPANSION

HARD DRIVE KITS

HARD DRIVES

HARD DRIVES COMPLETE W/ AUTOBOOT

/EXPANSION MEMORY

HARD DRIVES REMOVABLE MEDIA

INTERNAL FLOPPY DRIVES

## EDUCATION

BIOLOGY

BUSINESS

ECONOMICS

EDUCATION GENERAL

ELEMENTARY

ENGLISH

ENGLISH AS A SECOND LANGUAGE

FOREIGN LANGUAGES

GEOGRAPHY

HEALTH

HISTORY

LOGIC

MATH

MUSIC

SCIENCE

SOCIAL STUDIES

TEACHING AIDS

TEST PREPARATION

TYPING

## GRAPHIC ARTS

3-D

3-D VIDEOTITLING

3-D/CLIP ART & OBJECTS

3-D/FONTS

3-D/UTILITIES

ANIMATION

ANIMATION & UTILITIES

ARTWORKS

CAD

CAD/PARTS

CAD/UTILITIES

GRAPHICS ARTS GENERAL

GRAPHICS DISPLAY CARD

PAINT

PAINT CLIP ART

PAINT FONTS

PAINT TUTORIALS

PAINT UTILITIES

SCIENTIFIC/BUSINESS/ENGINEERING

## HARDWARE GENERAL

BACK UP HARDWARE

BRIDGEBOARD

CABLES

CD-ROM

CHIPS

COMPUTER SYSTEMS

ENTERTAINMENT

FAX-SSTV

GENERAL HARDWARE

GRAPHICS HARDWARE

INPUT DEVICES/BAR CODE

INPUT DEVICES/GRAPHIC TABLETS

INPUT DEVICES/KEYBOARDS

INPUT DEVICES/MOUSES

INPUT DEVICES/TOUCH SCREENS

INTEGRATED MULTIMEDIA SYSTEMS

MISCELLANEOUS

MODEMS

MONITORS

NETWORKING

PORT EXPANSION

PRINTER/BUFFERS

PRINTER/INKS

PRINTER/LASER

PRINTERS

SCANNERS & DIGITIZERS

SCIENTIFIC DIGITIZERS AND CONTROLLERS

SOUND AND MUSIC HARDWARE/DIGITIZERS

SOUND AND MUSIC HARDWARE/GENERAL

SOUND AND MUSIC HARDWARE/MIDI INTERFACES

SOUND AND MUSIC HARDWARE/SMPTE

TRANSPUTING

## HARDWARE MEMORY

32 BIT MEMORY EXPANSION

MEMORY EXPANSION W/CLOCK

## HARDWARE VIDEO

DIGITIZERS

DIGITIZERS/ACCESSORIES

DIGITIZERS/SCANNERS

DIGITIZERS/SCANNERS/ACCESSORIES

DVE

EDITING HARDWARE

ENCODERS

FRAME BUFFERS

GENLOCK

TIME BASE CORRECTORS

VIDEO ENHANCEMENT

VIDEO HARDWARE GENERAL

## MISC SOFTWARE

AMATEUR RADIO

ARTIFICIAL INTELLIGENCE

AUTHORING SYSTEMS

CALENDARS

CD-ROM

COOKING

DESKTOP PRESENTATION

DISK CATALOGS

DISK MAGAZINES

FORTUNE TELLING

GAMBLING

GENEALOGY

HANDICAP SUPPORT

HOME SECURITY

KNITTING/WEAVING

NETWORKING

RELIGION

STATISTICAL ANALYSIS

TELECOMMUNICATIONS

TUTORIALS

## MUSIC

EDITOR/LIBRARIAN

MISCELLANEOUS

MUSIC GENERAL

PERCUSSION

PROGRAMMING

SONGS

TUTORIAL

UTILITIES

## PROGRAMMING

GRAPHICS

MUSIC

PROGRAMMING GENERAL

PROGRAMMING TOOLS

TEXT EDITORS

TUTORIAL

UTILITIES

VIDEO PROGRAMMING

## TOASTER

TOASTER

TOASTER FONTS

## UTILITIES

BACKING UP/COPYING

CRYPTOGRAPHY

DOS CONVERSION

FILE MANAGEMENT

UTILITIES GENERAL

VIRUS PROTECTION

## WORD PROCESSING

FONTS

INTEGRATED SYSTEMS

SPELL CHECKERS

TEXT EDITORS

UTILITIES

WORD PROCESSING GENERAL

# User Groups

## Alaska

### Amiga Users Group of Alaska AUGA

**Meeting Place:** Anchorage Museum of History and Art Theatre, downtown, 7th and A Sts.  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga  
**Contact:** Terry LaGrone  
(907) 337-4136 BBS 9600 baud  
**Mailing address:**  
P.O. Box 211511  
Anchorage, AK 99521-1511

## Alabama

### Birmingham Commodore Comp Club

**Meeting Place:** UAB (room 153)  
901 14th Street, South Birmingham  
**When:** 2nd & 4th Sun, 2 PM  
**Interests:** Amiga/Commodore  
**Contact:** Rusty Hargett  
(205) 854-5172 (after 6PM)

### Commodore Amiga Society of Montgomery CASM

**Meeting Place:** First Alabama Bank  
**When:** 3rd Sat, 9 AM  
**Interests:** Amiga  
**Contact:** Steve Winkler  
(205) 281-7392

### Coosa Valley Commodore Club

**Meeting Place:** Garden State  
Community College Technical Division  
Jarvis Hall, Gadsden  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Tommy Robertson  
(205) 549-0908

### Hacks

**Meeting Place:** West Lawn Middle  
School  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Raymond Patterson  
(205) 883-8398  
**Mailing address:**  
P.O. Box 14356  
Huntsville, AL 35815

### Scottsboro Commodore UG

**Meeting Place:** Page School-Lunchroom  
**When:** 2nd Tue  
**Interests:** Amiga/Commodore  
**Contact:** Richard Radon  
(205) 574-1830  
**Mailing address:**  
Rte. 5  
P.O. Box 255  
Scottsboro, AL 35768

### North Alabama Society of Amiga Users NASAU

**Meeting Place:** Universal Data Systems  
(UDS), 5000 Bradford Dr., Huntsville  
**When:** 1st & 3rd Thur, 7 PM  
**Interests:** Amiga  
**Contact:** Steve Johnston  
(205) 498-3962  
(205) 880-8031 BBS  
**Mailing address:**  
NASAU  
PO Box 7346  
Huntsville, AL 35807

## Arkansas

### Commodore Computer Club

**Meeting Place:** Westark Community  
College  
Fort Smith  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Steve Caperton

### Hot Springs Commodore UG

**Meeting Place:** AP&L Bldg  
324 Malvern Ave., Hot Springs  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Julie Cathcart  
(501) 624-5115

### Northwest Arkansas Amiga Users Group

**Meeting Place:** Jim's Razor Back Pizza  
US 412, Springfield  
**When:** 2nd Sun, 2 PM  
**Interests:** Amiga  
**Contact:** Peter Laws  
(501) 443-2598

### Ark: Amiga

**Meeting Place:** St. Vincent Infirmary  
Medical Center, La Harpe Room  
Little Rock  
**When:** 2nd Mon, 6:30 PM  
**Interests:** Amiga  
**Contact:** Greg Eanes  
(501) 666-8934  
**Mailing address:**  
c/o Greg Eanes  
1508 Winslow Drive  
Little Rock, AR 72207-6120

## Arizona

### AmAzt

**Meeting Place:** New Glendale Public  
Library, 5959 W. Brown St.  
Glendale, AZ  
**When:** 3rd Wed, 7-8:30 PM  
**Interests:** Amiga  
**Contact:** Mel Elliot  
(602) 931-1117  
(602) 843-6574 BBS  
**Mailing address:**  
Amiga Arizona  
P.O. Box 82371  
Phoenix, AZ 85071

### Arizona Amiga User Group

**AAUG**  
**Meeting Place:** Pyle Adult Recreation  
Center Tempe  
**When:** 2nd Fri, 7 PM  
**Interests:** Amiga  
**Contact:** Myron Lieberman or Stan  
Skirvin  
(602) 967-4054  
(602) 948-2515  
**Mailing address:**  
P.O. Box 907  
Tempe, AZ 85281

### Amiga Users Group of Yavapai County

**AUGU**  
**Meeting Place:** Prescott Public Library,  
third floor meeting room  
**When:** 4th Sat, 1 PM  
**Interests:** Amiga  
**Contact:** Steve LaVigne, President  
**Mailing address:**  
1465 Coyote Road  
Prescott, AZ 86303

### Catalina Commodore Computer Club

**CCCC**  
**Meeting Place:** Madonna Hall, 1947 E.  
Adams, Tucson  
**When:** 3rd Sat, 10 AM  
**Interests:** Amiga, Commodore  
**Contact:** Tom D'Angelo  
(602) 296-5076  
**Mailing address:**  
P.O. Box  
Tucson, AZ 85751-2548

### Metro Amiga Computer ResOUce

**MACRO**  
**Meeting Place:** Metro Tech Vocational  
Institute  
1900 W. Thomas Rd. Lecture Hall Rm. 1101  
Phoenix  
**When:** 1st Thur, 6:30 PM  
**Interests:** Amiga  
**Contact:** Joe Benedetto  
(602) 938-8050  
**Mailing address:**  
P.O. Box 11681  
Phoenix, AZ 85061-1681

### Prescott Area Commodore Club

**Meeting Place:**  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Dion Vankirk  
(602) 778-7893  
**Mailing address:**  
P.O. Box 4019  
Prescott, AZ

## California

### 3D Art Forum International

**Meeting Place:** Westside Pavilion  
Community room behind 3rd fir food  
court  
West Los Angeles

### When: 3rd Sun, 2:30-6 PM

**Interests:** 3-D Amiga programs  
**Contact:** Victor Osaka  
(310) 398-7649  
**Mailing address:**  
1341 Ocean Ave.  
Suite 349  
Santa Monica, CA 90401

### 64/More Commodore Ug

**Meeting Place:** Milpitas Public Library  
Milpitas  
**When:** 2nd Sat, 10 AM  
**Interests:** Amiga/Commodore  
**Contact:** Ralph M. Ingraham

### AMIGA Group Enthusiasts of Fresno

**AGE**  
**Meeting Place:** CA State University at  
Fresno, McLane Hall, Room 161  
**When:** 2nd Sat, 9:00 AM  
**Interests:** Amiga  
**Contact:** Rodney T. Will, President  
(209) 266-1129  
(209) 226-7162 BBS  
**Mailing address:**  
P.O. Box 252  
Fresno, CA 93708

### ASCI

**Meeting Place:** Rancho Cucamonga Br  
Library  
9191 Base Line Rd, Rancho  
Cucamonga  
**When:** 1st & 3rd Thur, 6:30 PM  
**Interests:** Commodore  
**Contact:** Josh Jacoby  
(714) 989-6041

### AWEST

**Meeting Place:** Computer Showcase,  
2739 Geary Blvd.  
San Francisco  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
**Contact:** Jamie Pandover  
(415) 584-8406

### Amiga Friends

**Meeting Place:** Rancho Santiago  
College  
17th & Bristol Rm R-124, Santa Ana  
**When:** 3rd Sun, 1-4 PM except during  
Dec, 2nd Sun  
**Interests:** Amiga  
**Contact:** Sam Noonan  
(714) 775-7237  
(714) 870-4754 BBS  
(714) 870-6594 BBS  
**Mailing address:**  
P.O. Box 4186  
Huntington Beach, CA 92605-4186

### Amiga Science and Technology Users

**Group**  
**ASCITEC**  
**Meeting Place:** Lockheed Missiles &  
Space Co (Sunnyvale)  
Los Altos  
**When:** 2nd Thur, 5 PM  
**Interests:** Amiga, Scientific  
**Contact:** Dr. Patrick Bailey  
(415) 960-9399  
**Mailing address:**  
ASCITEC  
P.O. Box 201  
Los Altos, CA 94023-0201

### Amiga Tech UG1 and 2

**ATUG**  
**Meeting Place:** Michaelangelo's 552 W.  
Arrow Hwy., San Dimas;  
Glendale Federal Savings, Monrovia  
On the corner of Myrtle and Colorado  
**When:** ATUG1 Last Tues, 7 PM  
ATUG2 Third Sat, 1 PM  
**Interests:** Amiga  
**Contact:** Chris Marple  
(714) 621-9814  
(818) 966-5099 BBS  
**Mailing address:**  
184 Villanova Dr.  
Claremont, CA 91711

### Amiga UG of Long Beach

**Meeting Place:** Huntington National  
Bank  
9025 E. Artesia (Bellflower), Bellflower  
**When:** 1st Mon, 7PM; 2nd Sat, 1 PM; 3rd  
Sun, 1PM; 3rd Mon, 7 PM  
**Interests:** Amiga  
**Contact:** Larry Blair  
(213) 422-8226  
**Mailing address:**  
P.O. Box 228  
Long Beach, CA 90802-0228

### Amiga Users in SF

**AWEST**  
**Meeting Place:** Laguna Honda School  
1350 7th Ave. San Francisco, CA  
**When:** 1st Thur, 7:00 pm  
**Interests:** Amiga  
**Contact:** Jamie Padover  
(415) 584-8406  
(415) 824-8774 BBS

### Amiga Video-Graphics Guild

**Meeting Place:** The Meeting Place,  
Fallbrook Mall, Shoup Ave, San Fernando  
Valley  
**When:** 2nd Sat, 1:30-4:45  
**Interests:** Amiga, video and graphics  
**Contact:** Geoffrey Williams, Director  
(805) 520-9686  
**Mailing address:**  
AVG  
Geoffrey Williams, Director  
1649 Arcane Street,  
Simi Valley, CA 93065

### C.O.U.G.O.R.

**Meeting Place:** 1012 Layton Rd. # 20  
Redding  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Robert Wall  
(916) 222-8263

### C.O.W.

**Meeting Place:** San Bruno Parks & Rec  
Bldg  
San Bruno  
**When:** 3rd Thur, 7-10 PM  
**Interests:** Amiga/Commodore  
**Contact:** Steve Beale  
(415) 873-2200

### Club-64

**Meeting Place:** Knights of Columbus Hall  
1729 E. Baseline, San Bernardino  
**When:** 1st Thur, 7-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** John Shinkunas  
(714) 862-6126

### Commodore UG of Riverside

**Meeting Place:** California School For  
Deaf  
Hwy 91 at Arlington Ave, Riverside  
**When:** 2nd & 4th Thur, 7-9 PM  
**Interests:** Commodore  
**Contact:** Ken Brown  
(714) 689-1452

### DBUG

**Meeting Place:** Diamond Bar Library  
1065 Grand Ave, Diamond Bar  
**When:** 2nd & 4th Wed  
**Interests:** Amiga/Commodore  
**Contact:** David Zechiel

### Desert Amiga Users Group

**DAUG**  
**Meeting Place:** PERC Building  
82660 Indio Blvd  
**When:** 3rd Sun, 3 PM  
**Interests:** Amiga  
**Contact:** Bill Prost  
(619) 346-5506  
**Mailing address:**  
P.O. Box 221  
Palm Springs, CA 92263

### Kern Amiga Owners Society

**KAOS**  
**Meeting Place:** Southwest Veterans Hall,  
Room 3  
1901 Wilson Road, Bakersfield  
**When:** 1st Wed, 7 PM  
**Contact:** Mike Glinzak  
(805) 833-9867  
(805) 399-1765 BBS  
**Mailing address:**  
P.O. Box 40862  
Bakersfield, CA 93384

### Los Angeles Amiga UG

**Meeting Place:** Veterans Memorial  
Auditorium  
Culver City  
**When:** 3rd Wed, 7:30 PM  
**Interests:** Amiga  
**Contact:** Kip Hammond  
(213) 390-3010

### NCAC

**Meeting Place:** Rico's Pizza  
200 Hartnell Ave, Redding  
**When:** 2nd Sat, 2 PM  
**Interests:** Amiga  
**Contact:** David Murphy

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# User Groups

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

(916) 472-3237

**Napa Valley Commodore Comp Club**  
**Meeting Place:** Jim Olson's  
 2045 Coombsville Road  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Carl Peigh  
 (707) 255-6375  
**Mailing address:**  
 P.O. Box 2324  
 Napa, CA 94558

**North Valley Commodore UG**  
**Meeting Place:** Butte County Library  
 East 1st, Chico  
**When:** 1st Wed, 7-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** Frank Alexander  
 (916) 872-0896  
 (916) 872-3711 BBS  
 (916) 894-8333 BBS  
**Mailing address:**  
 597 Circlewood Dr  
 Paradise, CA 95969

**Northern California Amiga Club**  
**Meeting Place:** Rico's Pizza Parlor  
 200 Hartnell Ave, Redding  
**When:** 2nd Sat, 2 PM  
**Interests:** Amiga  
**Mailing address:**  
 P.O. Box 54  
 Bella Vista, CA 96008

**Oceana-64 Commodore Club**  
**Meeting Place:** 1004 Plover Way  
 Oceanside  
**When:** 2nd & 4th Thur, 10 AM  
**Interests:** Commodore  
**Contact:** Sam Brooks  
 (619) 433-3599

**SMAUG**  
**Meeting Place:** Seaside Library  
 Seaside  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Richard Binsacca  
 (408) 678-2518

**Sacramento Amiga Computer Club**  
**Meeting Place:** Pacific Bell Aud  
 2700 Watt Ave, Sacramento  
**When:** 4th Wed, 7-10 PM  
**Interests:** Amiga  
**Contact:** Linda Marquess  
 (916) 447-3842  
 (916) 991-8553 FAX or BBS  
**Mailing address:**  
 Sacramento  
 P.O. Box 19784  
 Sacramento, CA 95819-0784

**San Diego Amiga User's Group**  
**SDAUG**  
**Meeting Place:** SDG & E Building  
 Auditorium 101 Ash Street  
 Downtown San Diego  
**When:** 1st Tues, 7 PM  
**Interests:** Amiga  
**Contact:** Joel Cross Jr.  
 (619) 283-1664  
**Mailing address:**  
 P.O. Box 80186  
 San Diego, CA 92138-0186

**San Fernando Valley Amiga User Group**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 (818) 887-2717  
**Mailing address:**  
 P.O. Box 8183  
 Van Nuys, CA 91409

**Santa Barbara Commodore UG**  
**Meeting Place:** Goleta Library  
 Fairview Ave, Goleta  
**When:** 3rd Sat, 1-4 PM  
**Interests:** Commodore  
**Contact:** Murray Kalisher  
 (805) 562-2256

**South Bay Amiga Dudes/Dudettes**  
**Meeting Place:** South Bay Contemporary  
 Museum of Art  
**When:** 1st Thurs, 7 PM  
**Interests:** Amiga  
**Contact:** Gordon Borbay  
 (213) 376-7329  
 (213) 325-1796 BBS

**South Orange Commodore Klub**  
**Meeting Place:** Union Savings  
 23688 El Toro Rd.  
**When:** 3rd Sat, 9 AM  
**Interests:** Amiga/Commodore  
**Contact:** Don Gribble  
 (714) 830-2430  
**Mailing address:**  
 25401 Champlain Rd.  
 Laguna Hills, CA 92653

**T.C.U.G.**  
**Meeting Place:** call for place, day, and  
 time Lafayette  
**When:**  
**Interests:** Amiga/IBM  
**Contact:** Margaret Copeland  
 (415) 284-1635  
**Mailing address:**  
 P.O. Box 1065  
 Lafayette, CA 94549

**Tracy Amiga Group**  
**TAG**  
**Meeting Place:** The Computer  
 Connection, 319 West 11th St., Tracy  
**When:** 7:00-9:00, 1st Tues. of Month  
**Interests:** Amiga  
**Contact:** Jim Schuknecht  
 (209) 847-1377  
**Mailing address:**  
 P.O. Box 709  
 Tracy, CA 95378

**V.C.C.**  
**Meeting Place:** Doctors Medical Center  
 Conf Rm  
 Florida and Orangeburg Ave, Modesto  
**When:** 3rd Wed, 7-9 PM  
**Interests:** Amiga  
**Contact:** Bob Dennison  
 (209) 668-8636

**VVCIA**  
**Meeting Place:** Victor School (board  
 room)  
 6th & A Sts, Victorville  
**When:** 1st Mon & 3rd Tue  
**Interests:** Commodore  
**Contact:** Ronald Elliott  
 (619) 245-9535

**AmiCosmo**  
**Meeting Place:** Oak Knolls Baptist  
 Church, 4799 S. Bradley Rd., Santa Maria  
**When:** 3rd Mon, 6:30 PM  
**Interests:** Amiga  
**Contact:** Joe Rose  
 (805) 937-4492 BBS  
**Mailing address:**  
 c/o Joe Rose  
 4482 Gilnes Avenue  
 Santa Maria, CA 93455

**Amiga Users of Marin**  
**AUM**  
**Meeting Place:** College of Marin, Austin  
 Science Center, Room 191  
 Kentfield, CA  
**When:** 3rd Wed, 7:30 PM (Beginner's  
 class & Video SIG, 6 PM)  
**Interests:** Amiga  
**Contact:** Ron Sullivan  
 (415) 456-1411  
 (415) 485-5895 BBS  
**Mailing address:**  
 c/o Guru News  
 44 Western Dr.  
 Novato, CA 94947

**Bay Area Computer Society**  
**BACS**  
**Meeting Place:** Fremont Main Library,  
 Fremont, CA  
**When:** 2nd Mon  
**Interests:** Amiga  
**Contact:** Joaquin Menchaca  
 (510) 796-6935  
 (510) 888-0440 fax  
**Mailing address:**  
 BACS/Amiga  
 19691 Center Street  
 Castro Valley, CA 94546

**Greater Riverside Amiga Users Group**  
**GRAUG**  
**Meeting Place:** Computer Source, 3605  
 Market St, Riverside  
**When:** 2nd Mon  
**Interests:** Amiga, Toaster  
**Contact:** Bill Shacklady, President  
 (714) 653-7456

(714) 686-0220 BBS  
**Mailing address:**  
 P.O. Box 15  
 Riverside, CA 92502

**Redwood Empire Amiga Users Group**  
**RE-AMIGA**  
**Meeting Place:** Rohnert Park Jr. High  
 School Rm. C-5  
 7165 Burton Ave., Rohnert Park CA.  
**When:** 3rd Tue, 7:30 PM (Novice SIG,  
 6PM)  
**Interests:** Amiga (ARexx, Publishing,  
 Telecomm., Graphics SIGS)  
**Contact:** Ben Young  
 (707) 523-9978  
 (707) 795-2717 BBS

## Colorado

**Paint Box SIG**  
**Meeting Place:** Denver Public Library,  
 3570 W. 1st Ave, at Lowell Blvd.  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga Graphics, Animation  
 and CAD  
**Contact:** Lisa Lewis  
 (303) 777-3664  
**Mailing address:**  
 Rocky Mountain Amiga Users/SIG  
 P.O. Box 280403  
 Lakewood, CO 80228

**Rocky Mountain Amiga Users**  
**RAMU**  
**Meeting Place:** Denver Public Library,  
 3570 W. 1st Ave, at Lowell Blvd.  
**When:** 4th Tues, 7 PM  
**Interests:** All aspects of Amigas  
**Contact:** Lisa Lewis  
 (303) 777-3664  
**Mailing address:**  
 Rocky Mountain Amiga Users  
 P.O. Box 280483  
 Lakewood, CO 80228

**The Commodore Club of Colorado**  
**Springs**  
**Meeting Place:** TJ-Maxx Center, 3949  
 Palmer Park Blvd.  
**When:** 4th Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Bill Jones  
 (719) 590-7854 home  
 (719) 630-7478 work  
 (719) 520-1887 BBS  
**Mailing address:**  
 P.O. Box 25851  
 Colorado Springs, CO 80936

**Wes CAUG**  
**Meeting Place:** Community Hospital  
 Grand Junction  
**When:** 1st Sat, 10 AM  
**Interests:** Amiga  
**Contact:** Rober Payne  
 (303) 245-0054

## Connecticut

**Amiga Users Group of SE Conn**  
**Meeting Place:** One Byte  
 Rte 32 Uncasville  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga  
**Contact:** James Malloy  
 (203) 536-6642 after 12:00 noon

**Capital Region**  
**Meeting Place:** Vernon Police Station  
 Vernon  
**When:** 2nd Tues, 7:30-10:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Cheryl Arzi  
 (203) 872-3320

**Fairfield County Amiga Users Group**  
**F.C.A.U.G.**  
**Meeting Place:** Danbury Hospital Health  
 Education Auditorium  
 Danbury, CT  
**When:** 2nd Sat, 6:00 PM  
**Interests:** Amiga  
**Contact:** Kevin Brook  
 (203) 743-1304  
 (203) 438-4721 BBS: The Dark Side  
**Mailing address:**  
 57 North Street  
 Ste. 315  
 Danbury, CT 06810

**HAUG**  
**Meeting Place:** Aetna Institute  
 Hartford

**When:** 3rd Thur, 7 PM  
**Interests:** Amiga  
**Contact:** Bill Bernhart  
 (203) 633-4427

**Hartford County Commodore Users**  
**Meeting Place:** East Hartford Library,  
 Lions Room East  
 Hartford  
**When:** 4th Tue, 7 PM  
**Interests:** Commodore  
**Contact:** Franklin Bouchard

**Millstone Users Group 64/128**  
**Meeting Place:** Millstone Training Center  
 Waterford  
**When:** No set date/time as needed.  
**Interests:** Amiga/ Commodore  
**Contact:** John Bittner  
 (203) 357-8368

**NILCCUG**  
**Meeting Place:** Montville VFW  
 Uncasville  
**When:** 1st & 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** Charlie Kappelman  
 203-848-4044  
 203-848-1986 BBS

**New Haven Amiga-Team Users Group**  
**Meeting Place:** Yale School of Medicine  
 Beaumont Room,  
 Sterling Hall, Cedar Street  
**When:** 2nd Thurs, 7 PM  
**Interests:** Amiga  
**Contact:** Bart Santello  
 (203) 488-9579  
 (203) 776-8243 BBS  
**Mailing address:**  
 P.O. Box 733  
 Branford, CT 06405-0733

## Delaware

**Amiga Network**  
**Meeting Place:** University of Delaware  
 Newark  
**When:** 1st Sun, 7-9:30 PM  
**Interests:** Amiga  
**Contact:** William Kelly  
 (302) 323-2962  
 (302) 368-1604 BBS  
**Mailing address:**  
 Amiga Network  
 P.O. Box 5940  
 Newark, DE 19714-5940

## Florida

**AFLOAT**  
**Meeting Place:** Citrus County Armory  
 Crystal River  
**When:** 2nd Mon  
**Interests:** Amiga/Commodore  
**Contact:** Richard Briggs

**C.R.U.G.**  
**Meeting Place:** Florida Power Corp.  
 Crystal River  
**When:** 1st Mon.  
**Interests:** Amiga/Commodore  
**Contact:** Richard Briggs

**Central Florida Amiga Club**  
**CFAC**  
**Meeting Place:** Seminole County Library  
 215 Oxford Rd. Casselberry, FL  
**When:** Tues. or Thurs., 7 PM  
**Interests:** Amiga  
**Contact:** Will Campbell  
 (407) 644-3853  
 (407) 366-8735 BBS  
**Mailing address:**  
 726 Carlson Dr.  
 Orlando, FL 32804

**Clearwater Commodore Club Inc.**  
**Meeting Place:**  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Robert Hronec  
 (813) 796-0510  
**Mailing address:**  
 601 S. Welcher St.  
 Clearwater, FL 34616

**Commodore Club of Jacksonville**  
**Meeting Place:** Regency Library,  
 Mandarin Library,  
 DuPont Middle School  
**When:** 1st Sat, 10 AM-1 PM; 2nd Sat, 1-4  
 PM; 2nd Tues, 7 PM.

# User Groups

**Interests:** Amiga/Commodore  
**Contact:** Arvid Nelson  
 (904) 272-5244 Voice  
 (904) 744-5111 BBS  
**Mailing address:**  
 141 Mango Ct.  
 Middleburg, FL 32068

**Daytona Beach Amiga Computers Enthusiasts**  
**DBACE**  
**Meeting Place:** Daytona Beach Shores Community Center  
**When:** 1st Thurs, 7 PM  
**Mailing address:**  
 P.O. Box 10402  
 Daytona Beach, FL 32120

**Fort Walton Beach Commodore UG**  
**Meeting Place:** Choctawhatchee High School  
 Racetrack Rd. Ft. Walton Beach  
**When:** 1st Tue/Thur 16 days thereafter, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Joe Majors  
 (904) 863-2845 between 6-8  
**Mailing address:**  
 1205 Thomason Drive  
 Fort Walton Beach, FL 32547

**Miami Amigos**  
**MAUG**  
**Meeting Place:** Dade Co. Computer Training Center  
 13135 S.W. 26th St, Miami  
**When:** 3rd Sat, 10-1PM  
**Interests:** Amiga  
**Contact:** John Gamache  
 (305) 554-9332 BBS  
**Mailing address:**  
 c/o John Gamache  
 P.O. Box 16-2306  
 Miami, FL 33116

**Tampa Bay Amiga Group**  
**TBAG**  
**Meeting Place:** Jefferson High School,  
 4401 West Cypress St.  
 (North of Cypress, near Westshore),  
 Tampa  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** All aspects of Commodore  
 Amiga personal computer  
**Contact:** Jim Frinak, President  
 (813) 684-6006 (home)  
 (813) 229-5176 (work)  
 (813) 889-9467 (Public BBS)  
**Mailing address:**  
 The Tampa Bay Amiga Group  
 P.O. Box 2717  
 Tampa, FL 33601-2717

**The Suncoast Amiga Club**  
**TSUNAMI**  
**Meeting Place:** Largo Community Center, Pinellas County  
 Corner of 6th St and 1st Ave SW  
**When:** 2nd Tues & 4th Tues  
**Interests:** Amiga  
**Contact:** Harvey Warwick  
 (813) 896-9893  
**Mailing address:**  
 P.O. Box 1311  
 Largo, FL 34649-1311

**Titusville Commodore Club**  
**Meeting Place:** Brevard Community College  
 Titusville  
**When:** 2nd & 4th Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Robert Murray

**Amiga Computer Enthusiasts**  
**ACES**  
**Meeting Place:** Palm Beach Post, 2751 S.  
 Dixie Highway, W. Palm Beach, FL  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga and video  
**Contact:** Daniel R. Henderson  
 (407) 243-3891  
**Mailing address:**  
 2205 SW 22 Ave, #102  
 Delray Beach, FL 33445-7702

**Space Coast Amiga Users Group**  
**SAMUG**  
**Meeting Place:** Merritt Island Library,  
 1195 North Courtney Parkway  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga  
**Contact:** John Vining  
 (407) 636-7605  
 (407) 633-7345 BBS, 8N1, 2400 baud  
**Mailing address:**

P.O. Box 542098  
 Merritt Island, FL 32953

## Georgia

**Amiga User's Klub**  
**AUK**  
**Meeting Place:** Britt David Cultural Arts Center, W. Britt David Rd. and Armour Rd.  
**When:** 1st MON, 7PM  
**Interests:** Amiga  
**Contact:** Bob Hovey  
**Mailing address:**  
 c/o Bob Hovey, President  
 4105 Windtree Lane  
 Columbus, GA 31907

## Hawaii

**Amiga Hawaii Users Group**  
**AHUG**  
**Meeting Place:**  
**When:** 1st & 3rd Wed., 7:30 pm  
**Interests:** Amiga/newsletter  
**Contact:** Roy Nielson  
 (808) 422-5105 6-9 pm  
**Mailing address:**  
 Roy Nielson  
 7149F Meila Ct.  
 Honolulu, HI 96818

## Iowa

**C-5 Capital Complex**  
**Meeting Place:** Grimes State Office Bldg  
 East 11th & Gray, Des Moines  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Larry Eamer  
 (515) 263-8104

**COUGAR**  
**Meeting Place:** Midland Financial  
 525 Main St, Ames  
**When:** 1st Sun (except holidays-2nd Sun),  
 2-4 PM  
**Interests:** Commodore  
**Contact:** Steve Huffman  
 (515) 432-4006 evenings

**Commo-Hawk Commodore Users Group**  
**CHCUG**  
**Meeting Place:** First Trust & Savings Bank  
 1820 1st Ave. NE, Cedar Rapids  
**When:** 2nd Tues, 7PM (Amiga) 4th Sun, C-  
 64 SIG  
**Interests:** Amiga, Commodore  
**Contact:** Linda Bloedel  
 (319) 366-2347  
 (319) 396-0446 BBS  
**Mailing address:**  
 P.O. Box 2724  
 Cedar Rapids, IA 52406-2724

**Northeast Iowa Amiga UG**  
**Meeting Place:** Red Cross Bldg  
 2530 University Ave., Waterloo  
**When:** 3rd Sun, 5 PM  
**Interests:** Amiga  
**Contact:** Mary Jensen  
 (319) 277-3758

**Quad Cities Commodore Computer Club**  
**Meeting Place:** Scott Community College, Student Life Center, Rm. 234  
 Belmont Road, Bettendorf  
**When:** 3rd Tues, 7 PM  
**Interests:** Commodore  
**Mailing address:**  
 P.O. Box 3994  
 Davenport, IA 52808

**Des Moines Area Amiga Users Group**  
**DMMAUG**  
**Meeting Place:** Christ Church, Ashworth  
 and 74th Streets, Des Moines  
**When:** Last Tue, 7:30 PM  
**Interests:** Amiga  
**Contact:** Arthur Szczygalski  
 (515) 266-5098  
 (515) 266-1012 BBS  
**Mailing address:**  
 4295 NE 32 Street  
 Des Moines, IA 50317

**Tri-State Commodore UG**  
**Meeting Place:** State Bank Bldg  
 Hwy 151, Kieler  
**When:** 2nd & 4th Mon, 7 PM  
**Interests:** Commodore  
**Contact:** Wayne Holt  
 (319) 582-4702

## Idaho

**AUSI**  
**Meeting Place:** Kopper Kitchen

Conference Center  
 Boise  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga  
**Contact:** Edwin Apel  
 (208) 376-1500

**Banana Belt Commodore UG**  
**Meeting Place:** Lewis-Clark State College  
 M.L.H. 13D  
 Lewiston  
**When:** 2nd Fri, 7:30 PM  
**Interests:** Commodore  
**Contact:** Harold Riggie  
 (208) 758-3209

**Treasure Valley/Boise UG**  
**Meeting Place:** Plantation Round Table  
 Pizza  
 Boise  
**When:** 1st Thur, 7 PM (Library); 3rd Wed,  
 7:30 PM  
**Interests:** Commodore  
**Contact:** Douglas Parsons  
 (208) 375-4672

## Illinois

**Amiga CAD Sig**  
**Meeting Place:** 17515 East Johnson  
 Union, IL  
**When:** Last Tues, 7 PM  
**Interests:** CAD on the Amiga  
**Contact:** Don Strauss  
 (815) 923-2401  
**Mailing address:**  
 17515 East Johnson  
 Union, IL 60180

**Amiga Computer Enthusiasts**  
**A.C.E.**  
**Meeting Place:** Percy Hopkins Auditorium  
 Christ Hospital, Oak Lawn  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Ralph G. Munroe, Jr  
**Mailing address:**  
 c/o Ralph G. Munroe, Jr  
 359 Miami Street  
 Park Forest, IL 60466-1930

**CCR**  
**Meeting Place:** Rockford College Star  
 Science Bldg  
 Rockford  
**When:** Thur one month, 7:30-9:30; Sat  
 next month, 9-12 AM  
**Interests:** Amiga/Commodore  
**Contact:** Mike Hoss

**Champaign-Urbana Commodore Users Group**  
**CUCUG**  
**Meeting Place:** Bresnan Meeting  
 Center, 706 Kenwood Road  
 Champaign  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Kevin Hslel  
 (217) 352-1002  
 (217) 356-8056 BBS  
**Mailing address:**  
 P.O. Box 716  
 Champaign, IL 61824-0716

**Computers West**  
**Meeting Place:** College of DuPage  
 Glen Elyn  
**When:** 2nd Fri, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Alan Chumley

**E. Peoria**  
**Meeting Place:** WAW Union Hall  
 E. Peoria  
**When:** 3rd Sat, 4-6:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** David McMillian  
 (309) 745-8455

**Fox Valley Amuse**  
**Meeting Place:** St. Charles Savings &  
 Loan  
 Corner of Rte. 38 & Randall Road  
**When:** 2nd Mon, 7-10 PM  
**Interests:** Amiga  
**Contact:** Robert Woell  
 (708) 759-1590  
**Mailing address:**  
 P.O. Box 4125  
 Aurora, IL 60507-4125

**JACUG**  
**Meeting Place:** First Christian Church  
 508 W. Vandalla, Jacksonville  
**When:** 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Greg Simpson  
 (217) 882-5481

Libertyville  
**When:** 3rd Thurs  
**Interests:** Amiga  
**Contact:** Phil Martinez, Doug Miller  
**Mailing address:**  
 4503 Lathrop Drive  
 Woodstock, IL 60098

**Metropolitan Amiga Computer Enthusiasts**  
**M.A.C.E.**  
**Meeting Place:** Woodfield Exec. Bldg/  
 Suburban National Bank, 1051 Perimeter  
 Dr. Schaumburg  
 (across from Woodfield Mall), Ray  
 College of Design, 8th floor, NE corner  
**When:** 2nd Wed, 7-9:45 PM  
**Interests:** Amiga only  
**Contact:** Tom Grayczyk, President  
 (708) 398-0903  
**Mailing address:**  
 1115 E. Saint James Street  
 Arlington Heights, IL 60004

**SPUG**  
**Meeting Place:** Lincoln Land Community  
 College, Logan Hall  
**When:** 3rd Fri, 7-10  
**Interests:** Amiga, Commodore, MS-DOS  
**Contact:** Don Walker  
 (217) 789-7544  
 (217) 789-6644 BBS  
**Mailing address:**  
 P.O. Box 9035  
 Springfield, IL 62791

**Springfield's Premier User Group**  
**SPUGtown**  
**Meeting Place:**  
**When:** 3rd Fri  
**Interests:** Amiga, 64/128, IBM compatible  
**Contact:** Robert Ley  
 (217) 498-7500  
**Mailing address:**  
 SPUG President  
 R.R. 2 Box 8  
 Rochester, IL 62563

**WIPUG**  
**Meeting Place:** Quintron (cafeteria)  
 Quincy  
**When:** 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Edward Mills  
 (217) 656-3671

**Amiga Computer Enthusiasts of Springfield**  
**ACES**  
**Meeting Place:** Lincoln Library, 7th and  
 Capital Streets  
**When:** 1st Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Wally Hartshorn, President  
 (217) 546-4314  
 (217) 529-8440 BBS—Data Drum  
**Mailing address:**  
 360 S. Durkin Drive  
 Springfield, IL 62704

**DeBartolo Users Group**  
**Meeting Place:** DeBartolo Mission and  
 School, 410 S. Michigan, Room 613  
 Chicago  
**When:** 2nd Sat, 2:00 PM  
**Interests:** Commodore/Amiga software  
**Contact:** Otis Williams  
 (312) 846-4329  
**Mailing address:**  
 Otis Williams  
 7555 S. Hermitage Street  
 Chicago, IL 60620

**Niles Amiga Resource Committee**  
**NARC**  
**Meeting Place:** Our Lady of Ransom  
 Ministry  
**When:** 3rd Mon, 7:30-10:30 PM  
**Interests:** Amiga  
**Contact:** Michael Crisci or Marv Bero  
 (708) 966-3916  
 (708) 824-5888  
 (708) 634-2828 GraphiCon BBS  
**Mailing address:**  
 c/o Niles Library Computer Lab  
 6960 Oakton Street  
 Niles, IL 60714-3098

## Indiana

**A.C.E. Amiga Commodore 64/128 Enthusiasts**  
**A.C.E.**  
**Meeting Place:** Eastland Mall  
**When:** 1st Mon, 7-9 PM  
**Mailing address:**  
 A.C.E.  
 P.O. Box 8080  
 Evansville, IN 47717-8080

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# User Groups

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Amiga Users of Michiana

**Meeting Place:** Valley American Bank, Town & Country Shopping Center, Meeting Room  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga  
**Contact:** Craig Norbrog, Pres. (219) 287-3344  
**Mailing address:**  
 2609 Mishawaka Ave.  
 South Bend, IN 46615

## Bloomington Amiga Users Group BAUG

**Meeting Place:** Technology Service Corp., 116 W. 6th St. Bloomington  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga  
**Contact:** James Marusek (812) 384-4629  
**Mailing address:**  
 James Marusek  
 RR4, Box 920A  
 Bloomfield, IN 47424

## Commodore Users of Noblesville

**Meeting Place:** Carmel Public Library Carmel  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** David Anderson (317) 844-2093

## Indianapolis Computer Club Inc.

**Meeting Place:** 788 Christian Church 2916 W. 30th St. Indianapolis  
**When:** 2nd Tue  
**Interests:** Commodore/MS-DOS  
**Contact:** John Flegla (317) 353-2110

## Logansport Commodore Club

**Meeting Place:** Girl Scout Camp 303 E. Clay Logansport  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore (219) 223-4542

## Richmond Area Computer UG

**Meeting Place:** Richmond City Bldg (community room) Richmond  
**When:** 1st Mon even months/2nd Mon odd months, 7-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** Dudley Felzer (317) 966-9169

## Rochester Commodore Comp Club

**Meeting Place:** Rochester Public Library Rochester  
**When:** 2nd Sat, 1 PM  
**Interests:** Commodore  
**Contact:** Dan Zellers (219) 223-4542

## Kansas

### Atchison Commodore UG

**Meeting Place:** Atchison Public Library 401 Kansas Ave Atchison  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Larry Gilbert (913) 367-2419

### Commodore and Amiga Users Group of Wichita

**CAUG-W**  
**Meeting Place:** Crown Bingo 600 S. Tyler Ste. 220, Wichita, KS  
**When:** 1st Sat, 1:00 pm  
**Interests:** Amiga  
**Contact:** Randy Wing (316) 526-9987  
**Mailing address:**  
 CAUG-W  
 P.O. Box 593  
 Wichita, KS 67201

### Topeka Commodore Computer UG

**Meeting Place:** National Guard Armory 28th & Topeka Ave, Topeka  
**When:** Last Tue, 7-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** James Wilson (913) 235-8452

## Kentucky

### Christian County Commodore Club

**Meeting Place:** Second Baptist Church, Education Bldg Hopkinsville  
**When:** Last Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Terry Fugua (502) 886-6621

## Glasgow Commodore UG

**Meeting Place:** Farmer Rec. Bldg 504 S. Lewis St, Glasgow  
**When:** 1st & 3rd Mon, 6:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Larry Stell

## MCCUG

**Meeting Place:** Harbin Memorial Library Greenville  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Stanley Fleming (502) 338-3053

## Louisiana

### Ark-La-Tex Commodore Club

**Meeting Place:** John Calvin Pres. Church 3030 Colquitt Rd, Shreveport  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Bill Walker (318) 636-3611

## BRACE

**Meeting Place:** Cortana Mall (Cortana Room) Baton Rouge  
**When:** 1st Tue, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Roland Caaron (504) 925-9532

## L.A.U.G.

**Meeting Place:** Lafayette City Hall 705 W. University Ave, Lafayette  
**When:** 3rd Fri, 7:30-11 PM  
**Interests:** Amiga  
**Contact:** Clifton Bonhomme (318) 232-9866

### New Orleans Commodore Klub Amiga

**NOCK**  
**Meeting Place:** Library of Ben Franklin High School, 2001 Leon C. Simon Drive, UNO Campus  
 Parking on West side of school only  
**When:** 2nd Sat, 3 PM  
**Interests:** Amiga/Commodore  
**Contact:** Mike Simoneaux (504) 394-7025  
**Mailing address:**  
 P.O. Box 8307  
 Metairie, LA 70011-8307

### Page User's Group

**Meeting Place:** Metro Mall Community Room Alexandria  
**When:** 2nd Sat, 10 AM; 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** S.C. Miller (318) 473-8611

## Sixty Four UM

**Meeting Place:** Jefferson Parish Library Metairie Road, Metairie  
**When:** 2nd Mon, 6-10 PM  
**Interests:** Commodore  
**Contact:** Gene Earl (504) 861-2893

## St. Tammany Amiga Fanatics

**STAF**  
**Meeting Place:** Faith Bible Church  
**When:** 3rd Thurs, 7-10 PM  
**Interests:** Amiga  
**Contact:** Don Talbot (504) 641-5428  
**Mailing address:**  
 P.O. Box 928  
 Slidell, LA 70460-0928

## Massachusetts

### Amiga Users of Southeastern Mass.

**AUSM**  
**Meeting Place:** Tremblay Bus Co., 284 Myrtle Street New Bedford, MA  
**When:** 1st Tues  
**Interests:** Amiga  
**Contact:** Dave Pare, President (508) 992-3601  
**(508) 997-4666 BBS**  
**Mailing address:**  
 AUSM  
 P.O. Box 50856  
 New Bedford, MA 02745

### Boston Computer Society

**BCS**  
**Meeting Place:** MIT Building E51 Cambridge  
**When:** 3rd Tues, 7:00 PM  
**Interests:** Amiga  
**(617) 252-0600 BCS office**  
**(617) 729-7341 BBS,8N1.v.32 + HST**  
**Mailing address:**  
 One Kendall Square  
 Cambridge, MA 02139

## Fall River Commodore Club

**Meeting Place:** Bristol Community College, Elsbree Street Campus  
**When:** 2nd Mon, 6:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Pauline Greenough, Peter Banville (508) 675-6584  
**(508) 677-4535 BBS**  
**Mailing address:**  
 P.O. Box 2664  
 Fall River, MA 02722

### Northern Berkshire Amiga Club, The

**Meeting Place:** North Adams State College Library Church Street North Adams  
**When:** Last Fri, 6 PM  
**Interests:** Amiga  
**Contact:** Adrian Sebborn (413) 664-4511 ext. 516  
**(413) 445-7310 BBS**  
**Mailing address:**  
 Adrian Sebborn  
 N Adams State College, Church Street  
 North Adams, MA 01247

### Pioneer Valley Commodore Club

**Meeting Place:** W. Mass Electric Bldg Brush Hill Rd, Springfield  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Marvin Yale (413) 562-1027  
**(413) 568-4466 BBS**

## S.N.H.A.U.G.

**Meeting Place:** West Manchester Public Library Manchester  
**When:** 3rd Sat, 12-4:30 PM  
**Interests:** Amiga  
**Contact:** Dave Nye (508) 897-6765  
**(603) 669-6719**

### The Boston Computer Society

**Meeting Place:** Department of Transportation 55 Broadway, Cambridge  
**When:** 3rd Tue, 7 PM  
**Contact:** Alan Hoyland (617) 438-9164

## WCAUG

**Meeting Place:** S Works VFW Post, Ballard St. Worcester  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga  
**Contact:** Don Carlson (508) 835-2453

## Maryland

### The Amiga Group

**TAG**  
**Meeting Place:** Long Branch Library Silver Spring  
**When:** 1st Mon, 7 PM  
**Interests:** Amiga  
**Contact:** Ted Jump, President (301) 596-1491 BBS  
**Mailing address:**  
 P.O. Box 1172  
 Columbia, MD 21044-0172

## A.B.C.U.G.

**Meeting Place:** North County Library, Glen Burnie  
**When:** 4th Tues, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Joe Korczynski (301) 760-9764  
**Mailing address:**  
 P.O. Box 179  
 Glen Burnie, MD 21061-0179

### Another Amiga Group

**Meeting Place:** Provinces Branch, Arundel County Library Odenton  
**When:** 2nd Mon

## BAUD

**Meeting Place:** Public Library Loch Raven Blvd & Taylor Ave, Baltimore  
**When:** 1st Sat, 1 PM  
**Interests:** Amiga  
**Contact:** Ed Hopper (301) 467-1034

## CUM-BACC

**Meeting Place:** Meetings are held at members' homes Lutherville  
**When:** 3rd Sun, 1-5 PM  
**Interests:** Amiga  
**Contact:** Richard Williams (301) 296-4414

## NOBUG 64/128

**Meeting Place:** Calvary Lutheran Church Baltimore  
**When:** 3rd Mon, 7:30 PM  
**Interests:** Commodore  
**Contact:** Solis James (301) 325-2083

## Rockville Commodore UG

**Meeting Place:** Twinbrook Library Rockville  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Commodore  
**Contact:** Cy Felleman (301) 493-8661

## SMAUG

**Meeting Place:** Varies Huntingtown  
**When:** 1st Tues, 7-9 PM  
**Interests:** Amiga  
**Contact:** Vicki Harmon (301) 535-3842

## Maine

### Amiga Users of Southern Maine

**Meeting Place:** Fleet Bank Cumberland Street, Westbrook  
**When:** 1st Fri, 6:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Joe Beecher (207) 865-3004 BBS

### Kennebunk Southern Maine Commodore UG

**Meeting Place:** Kennebunk Town Hall 1 Summer St, Kennebunk  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Richard Lembree (207) 967-3381

## PACE

**Meeting Place:** Varies- please call Belfast  
**When:**  
**Interests:** Amiga  
**Contact:** Michael Weinberg (207) 338-3066

### Southern Maine Commodore UG

**Meeting Place:** Portland Public Library, 5 Monument Sq, Univ. of Maine Saco Campus, Saco Island, Saco  
**When:** 2nd Sat, 12:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Richard Lembree (207) 967-3381  
**(207) 967-3719 BBS**  
**Mailing address:**  
 P.O. Box 416  
 Scarborough, ME 04070-0416

## Michigan

### 3D World SIG

**Meeting Place:**  
**When:**  
**Interests:** 3-D animation techniques on the Amiga  
**Contact:** Dale K. Myers (313) 525-3203  
**Mailing address:**  
 Dale K. Myers  
 9602 Hartel  
 Livonia, MI 48150

### Amiga Mutual Interest Group

**AMIG**  
**Meeting Place:** Capitol Federal Savings Bank basement 250 E. Saginaw, East Lansing  
**When:** 3rd Sun, 7-9 PM  
**Interests:** Amiga/Commodore  
**Mailing address:**  
 P.O. Box 4664  
 East Lansing, MI 48826-4664

### Downriver Commodore Group

**Meeting Place:** Taylor Community Library Taylor  
**When:** 1st & 3rd Wed, 8 PM  
**Interests:** Amiga  
**Contact:** Dino Costantino (313) 277-0114  
**(313) 386-1565**

### Jackson Commodore Computer Club

**Meeting Place:** 2214 E. Ganson Jackson  
**When:** Last Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Tony Bengel (517) 782-6753

### Kalamazoo Valley Home UG

**Meeting Place:** KVCC, Room 1040 Kalamazoo  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Commodore  
**Contact:** Donald Campbell (616) 345-7039

# User Groups

**Michigan Commodore UG**  
**Meeting Place:** Warren-Woods Middle School  
 13400 Twelve Mile Rd, Warren  
**When:** 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Art Ferrazutti

**Midland Computer Club**  
**Meeting Place:** Grace A Dow Library, Corner of St. Andrews and Eastman Rd. Midland  
**When:** 4th Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Rick Rosinski  
 (517) 631-7162  
**Mailing address:**  
 P.O. Box 132  
 Midland, MI 48640-0132

**Saginaw Area Commodore User's Group SACUG**  
**Meeting Place:** Zauel Memorial Library  
 3100 N. Center Rd, Saginaw Twp.  
**When:** 3rd Tues, 7 PM  
**Interests:** Amiga, 128, 64  
**Contact:** John Lehtinen  
 (517) 695-5974  
**Mailing address:**  
 P.O. Box 2393  
 Saginaw, MI 48605

**Toaster Users Group of Southeastern Michigan TUGSM**  
**Meeting Place:**  
**When:**  
**Contact:** Michael A. Greer  
 (313) 355-5916  
**Mailing address:**  
 26752 E. Carnegie Park Drive  
 Southfield, MI 48034

## Minnesota

**Amiga of Minnesota Interest Groups Alliance A.M.I.G.A.**  
**Meeting Place:** Crystal Community Center, 48th and Douglas Drive  
**When:** 4th Thur, 6:30-9:00 PM  
**Interests:** Amiga/Commodore  
**Contact:** Steve Gonnella  
 (612) 533-8494  
 (800) 227-2983 BIX  
 (612) 895-0117 BBS  
**Mailing address:**  
 P.O. Box 32374  
 Fridley, MN 55432

**Minnesota Commodore UG**  
**Meeting Place:** Park Center High School  
 Brooklyn Park  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Loren Iovhaug  
 (612) 588-3078

**Twin Ports Area Amiga Users Group**  
**Meeting Place:** UMD Room MWAH  
 176 Duluth  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Kenji Ogura  
 (218) 722-2641

## Missouri

**Columbia Commodore User**  
**Meeting Place:** Columbia Mall (meeting room)  
 Columbia  
**When:** 2nd Thur, 6:30-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** Harold Lawson  
 (314) 474-2303

**Commodore UG of Springfield**  
**Meeting Place:** VFW Post 3403 (bingo room)  
 1136 E. Atlantic, Springfield  
**When:** 2nd Sat, 10 AM  
**Interests:** Commodore  
**Contact:** Bill Patrick  
 (417) 882-3866

**Gateway Amiga Club Inc.**  
**Meeting Place:** Washington Univ Med School aud., 4566 Scott Street, St Louis  
 Prairie Commons Branch Library, 915 Utz Lane, Hazelwood  
**When:** 1st and 3rd Wed, 7:30 PM  
**Interests:** Amiga  
**Contact:** Bob Scharp  
 (314) 739-5181 (Recorder On Line)  
 (314) 423-5733 BBS (8N1)  
 (14.4 K baud)  
**Mailing address:**  
 P.O. Box 811  
 Bridgeport, MO 63044

**Joplin Commodore Computers UG**  
**Meeting Place:** 422 S. Florida Ave  
 Joplin  
**When:** 3rd Sat, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Dale Connelly  
 (417) 624-5259

**Ozarks Amiga Comp Enthusiast's**  
**Meeting Place:** Springfield Public Library- Kickapoo Prairie Branch  
 Springfield  
**When:** 4th Sat, 9:30-Noon  
**Interests:** Amiga  
**Contact:** Steve Languth  
 (417) 882-5995

**Amiga Users Group of Kansas City Inc.**  
**Meeting Place:** Baptist Medical Center  
 6601 Rockhill Rd Kansas City  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga  
**Contact:** Mike or Robin Thompson  
 (816) 444-3711  
 (816) 322-5803 BBS  
**Mailing address:**  
 9014 Central  
 Kansas City, MO 64114

## Mississippi

**Coastline Commodore Comp Club**  
**Meeting Place:** American Legion Hall  
 201 Lamuese, Biloxi  
**When:** 1st Sat, 9:30 AM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** William K. Hubler  
 (601) 374-2582

**Jackson Commodore UG**  
**Meeting Place:** Computer Services  
 Jackson  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Daniel Myers  
 (601) 352-0707

## Montana

**Missoula Commodore UG**  
**Meeting Place:** Montana Power Bldg  
 Missoula  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Becky Maler  
 (406) 626-4730

## North Carolina

**Fayetteville Amiga Computer Enthusiasts F.A.C.E.**  
**Meeting Place:** Catholic Social Ministries,  
 111 Boone Trail  
 Fayetteville  
**When:** 2nd Sat, 10 AM  
**Interests:** Amiga  
**Contact:** SYSOP John Waters  
 (919) 630-1572 BBS  
 HCC II, 1200-14,400 bps  
 HST/V, 32bis, FidoNet 1:3634/10.0  
**Mailing address:**  
 P.O. Box 48769  
 Cumberland, NC 28331-8769

**Triangle Amiga Users**  
**Meeting Place:** Arts Center, 300 Main St  
**When:** Last Sunday, 6:30 PM  
**Interests:** Amiga  
**Contact:** Steve Ayscue, Don Nelson  
 (919) 477-1067  
 (919) 942-2764  
**Mailing address:**  
 c/o Robin LaPasha  
 1927 Faucette Ave  
 Durham, NC 27704

**Wilmington Commodore UG**  
**Meeting Place:** Cape Fear Community College  
 Wilmington  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Wade Harris

## North Dakota

**C.D.C.C.**  
**Meeting Place:** First Federal Bank Bldg  
 Bismarck  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Troy Tausend

**Fargo Moorhead Amiga UG**  
**Meeting Place:** 610 Main Ave.  
 Fargo  
**When:** 3rd Wed, 6:30 PM  
**Interests:** Amiga  
**Contact:** John Steiner  
 (701) 282-0293

## Nebraska

**MCUG**  
**Meeting Place:** McCook Public Library  
 (basement)  
 McCook  
**When:** 3rd Sun (Sept-May), 6 PM  
**Interests:** Amiga/Commodore  
**Contact:** Dave Matthews  
 (308) 345-5884

**Amiga Users of the Heartland, Inc.**  
**Meeting Place:** Aksarben, east side,  
 upper level  
 Omaha  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Larry Zwart  
 (402) 571-1393  
**Mailing address:**  
 P.O. Box 1432 DTS  
 Omaha, NE 68101-1432

## New Hampshire

**Commodore Users Group**  
**Meeting Place:** Bow Memorial School  
 Bow  
**When:** 1st Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Albert Couture  
 (603) 669-2439

**Seacoast Area Amiga Users Group SAAUG**  
**Meeting Place:** Digital Connections  
 Computers  
 Dover Point Office Park, Dover  
**When:** 3rd Sun, 2-5 PM  
**Interests:** Amiga  
**Contact:** Steve Endsley  
 (603) 743-3385 BBS  
 1200-19,200 baud (USR HST v.32)  
**Mailing address:**  
 44H Dover Point Office Park  
 Dover, NH 03820

## New Jersey

**AMOS NTSC Club**  
**Meeting Place:**  
**When:**  
**Interests:** AMOS newsletter, library  
**Contact:** Martin Robaszewski  
 (201) 217-4190 BBS 1200/2400  
**Mailing address:**  
 P.O. Box 761  
 Pine Brook, NJ 07058

**Amiga Users Group of South Jersey**  
**Meeting Place:** Edgewood Jr. High  
 School  
 Atco, NJ  
**When:** 1st & 3rd, Mon., 7:00 PM  
**Interests:** Amiga, Graphics SIG  
**Contact:** George Rhodes  
 (609) 228-5493  
 (609) 227-8278 BBS  
**Mailing address:**  
 P.O. Box 602  
 Mt. Laurel, nj 08054

**Amiga Users' Group of New Jersey**  
**Meeting Place:** Rutgers's University  
 Camden  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga  
**Contact:** Jay Forman  
 (609) 667-2526

**Cebug**  
**Meeting Place:** East Brunswick Library  
 E. Brunswick  
**When:** 1st Thur, 7 PM  
**Interests:** Commodore  
**Contact:** Dave Pollak  
 (201) 390-6767

**Eastern North Jersey Amiga User Group ENJA**  
**Meeting Place:** American Legion Hall  
 180 Union Blvd, Totowa  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga  
**Contact:** Steve Redington  
 (201) 785-6155  
 (201) 256-0691 BBS  
**Mailing address:**  
 ENJA  
 P.O. Box 2314  
 West Paterson, NJ 07424

**Jersey Amiga Users Group JAUG**  
**Meeting Place:**  
**When:**  
**Contact:** Eric Lavitsky  
 (201) 560-0106  
**Mailing address:**  
 P.O. Box 1986  
 New Brunswick, NJ 08901

**M.A.C.U.G.**  
**Meeting Place:** Parsippany Public Library  
 Parsippany Rd, Parsippany  
**When:** 3rd Weds, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Brian Keveney  
 (201) 628-1233

**The Amiga VideoGraphic Society**  
**Meeting Place:** 32 Duncan Dr.  
 Morganville, NJ  
**When:** 2nd Fri, 7:30pm  
**Interests:** Toaster, Video, Graphics &  
 Animations on the Amiga.  
**Contact:** Roger Elowitz  
 (908) 536-4786  
 (908) 294-9397 FAX  
**Mailing address:**  
 32 Duncan Dr.  
 Morganville, NJ 07751

## New Mexico

**Aviation & Computer Enthusiasts**  
**Meeting Place:** Call for day & time  
 2009 Camelot Dr, Las Cruces  
**When:**  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Carl Bogardus  
 (505) 526-5645

**CUGOR**  
**Meeting Place:** Roswell Adult Center  
 807 N Missouri, Roswell  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Commodore  
**Contact:** Ralph Knight  
 (505) 622-9250

**Deming Commodore UG**  
**Meeting Place:** 1400 Mallory  
 Deming  
**When:** 1st & 3rd Tue, 7:30 PM  
**Interests:** Commodore  
**Contact:** Robert Sandoval  
 (505) 546-3351

**New Mexico Amiga Users Society NewMAUS**  
**Meeting Place:** Room 2402, University of  
 New Mexico Law School  
**When:** General: 2nd Thur and 4th Sat  
 Technical: 2nd Sat and 4th Thur  
**Interests:** Amiga/Commodore  
**Contact:** Jim Faulci  
 (505) 836-1913  
**Mailing address:**  
 P.O. Box 91556  
 Albuquerque, NM 97199

**Rio Grand Valley Amiga UG**  
**Meeting Place:** Jacobs Hall NMSU, Room  
 129  
 Las Cruces  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga  
**Contact:** Marilyn Martin  
 (505) 646-1840

## Nevada

**Southern Nevada Amiga Group S.N.A.G**  
**Meeting Place:** Nevada Power Bldg,  
 1973 N. Nellis, Blvd, Ste. 224  
 Las Vegas, 89115  
**When:** Every other Sat, 10 AM  
**Interests:** Amiga  
**Contact:** Eric Douglas  
 (702) 656-8782  
 (702) 594-7047 Voice Hot Line  
 (702) 566-6222 BBS  
**Mailing address:**  
 S.N.A.G  
 1973 N. Nellis Blvd,  
 Las Vegas, NV 89115

## New York

**Central New York Amiga Aggregate CNYAA**  
**Meeting Place:** Liverpool Public Library  
 Liverpool (Syracuse)  
**When:** 2nd Mon, 6:30 PM  
**Interests:** Amiga  
**Contact:** Dick Bauer  
 (315) 457-2009  
 (315) 454-8518 BBS  
**Mailing address:**  
 4806 Royal Meadow Dr.  
 Liverpool, NY 13088

**ACAC**  
**Meeting Place:** Deerfield Windsor School  
 Lower Campus  
 1733 Beattie Rd, Albany  
**When:** 2nd & 4th Tues, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Carlos Villavicencio III  
 (518) 439-1322 after 5 pm

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# User Groups

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## Binghamton Amiga User Group

**BAUG**  
**Meeting Place:** Union Baptist Church,  
 Liberty Ave. Endicott, NY  
**When:** 2nd Wed  
**Interests:** Amiga  
 Contact: Gary B. Lee  
 (607) 754-0624 (after 4 PM EST)  
**Mailing address:**  
 332 Clifford Dr.  
 Vestal, NY 13850-1010

## C.D.A.U.G.

**Meeting Place:** The Computer Cellar,  
 Westgate Shopping Mall  
 Albany  
**When:** 3rd Thur, 6:30 PM  
**Interests:** Amiga  
 Contact: Carmen Artino  
 (518) 783-1784

## CAST

**Meeting Place:** 138-10 Franklin Ave.,  
 Flushing  
**When:** 1st Sat, 12 PM  
 Contact: Alex Yang  
 (718) 767-2650  
**Mailing address:**  
 150-21 7th Ave.  
 Whitestone, NY 11357-1208

## Columbia University Commodore-Amiga Users Groups

**CUCAUG**  
**Meeting Place:** Shapiro Hall, Room 1011  
 Columbia University  
**When:** Bi-Thurs, 7 PM  
**Interests:** Amiga  
 Contact: Ethan Solomita

## Commodore Users Group of Rochester

**CUGOR**  
**Meeting Place:** Visual Studies Workshop  
 50 Prince Street, Rochester, NY  
**When:** 2nd and last Wed  
**Interests:** Amiga  
 Contact: John McElver  
 (716) 621-5908 BBS  
**Mailing address:**  
 P.O. Box 23463  
 Rochester, NY 14692

## Long Island Commodore Amigians

**LICA**  
**Meeting Place:** Veterans of Foreign Wars  
 Hall,  
 403 Maple Avenue  
**When:** 3rd Fri, 8 PM  
**Interests:** Amiga/Commodore  
 Contact: Jeannette Salvito  
 (516) 499-5078

## New York Amiga User Group

**AMUSE**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 (212) 460-8067  
**Mailing address:**  
 151 First Ave.  
 Ste. 182  
 New York, NY 10003

## Queens Commodore Users Group

**QCUG**  
**Meeting Place:** Vietnam Veterans of  
 America,  
 74-01 Cypress Hills St. Glendale, NY 11385  
**When:** 2nd Sat, 9 AM-Noon  
**Interests:** Amiga/Commodore 64, 128  
 Contact: Jack Donat  
 (718) 296-8286  
**Mailing address:**  
 QCUG  
 P.O. Box 129  
 Queens, NY 11417

## TASC II

**Meeting Place:** E.C. Unlimited  
 Fulton  
**When:** Last Fri, 7 PM  
**Interests:** Amiga  
 Contact: Jean Gulliver  
 (315) 593-1825  
**Mailing address:**  
 P.O. Box 177  
 Fulton, NY 13069

## The Bronx Users Group

**BUG**  
**Meeting Place:** 3400 Ft. Independence  
 St. Community Room  
 Community Rm  
**When:** 2nd Thur, 7:30-9:30PM  
**Interests:** Amiga/Commodore  
 Contact: Bruce Roberts  
 (212) 671-7050 BBS  
**Mailing address:**  
 P.O. Box 523  
 Bronx, NY 10475

## Triple Cities Commodore Society

**Meeting Place:** Vestal Public Library  
 Vestal  
**When:** 1st Tue & 3rd Thur, 7 PM  
**Interests:** Commodore  
 Contact: Larry Drumm  
 (607) 797-6117

## Westchester Amiga User Group

**WAUG**  
**Meeting Place:** Sorftware Link  
 White Plains  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga  
 Contact: Billy Winters  
 (914) 769-9433  
**Mailing address:**  
 WAUG c/o Billy Winters  
 460 West Lake Dr.  
 Valhalla, NY 10595

## CHIPS Amiga UG

**CHIPS**  
**Meeting Place:** Thruway Lanes, 1550  
 Walden Ave. Cheektowaga, NY  
**When:** 2nd and 4th Tues, 8:00 PM  
**Interests:** General  
 Contact: Len Soullere or Mike Sanders  
 (716) 941-3233 Len  
 (716) 648-5521 Mike  
**Mailing address:**  
 CHIPS Amiga Users Group  
 Box 315  
 Patchin, NY 14025

## Ohio

### Akron Area Commodore UG

**Meeting Place:** Green Middle School  
 Greensburg  
**When:** 3rd Sat, 1 PM  
**Interests:** Amiga/Commodore  
 Contact: Howard Busson  
 (216) 794-1953

### Amiga Central Ohio Network

**AmiCON**  
**Meeting Place:** Chemical Abstract  
 Service  
 2540 Olentangy River Road, Columbus  
**When:** 1st Sat, 10 AM; 3rd Wed, 7 PM  
**Interests:** Amiga  
 Contact: Chuck Cave  
 (614) 436-0617  
 (614) 263-3009 BBS  
**Mailing address:**  
 P.O. Box 18311  
 Columbus, OH 43218

### Amiga UG #432

**Meeting Place:** Red Cross Building  
 266 W. Wood St. Youngstown  
**When:** 2nd Sat, 2 PM  
**Interests:** Amiga  
 Contact: Dennis Alexander  
 (216) 726-8450  
 (216) 856-7869

### Ashtabula County Commodore Users Group

**A.C.C.U.G.**  
**Meeting Place:**  
**When:**  
 Contact: Sue Altonen, Club Secretary  
**Mailing address:**  
 1034 Michigan Avenue  
 Ashtabula, OH 44004

### Basic Bits Commodore Group

**Meeting Place:** Fields UM Church  
 34077 Lorain Rd, N. Ridgeville  
**When:** 3rd Fri, 7:30 PM  
**Interests:** Amiga/Commodore

### CEBUG

**Meeting Place:** Zion Luth Church  
 Huron  
**When:** 3rd Mon, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Irene Kraus

### CHUGS

**Meeting Place:** Clark Cty Mental Health  
 Board  
 1101 E. High St, Springfield  
**When:** 3rd Sat, 1 PM  
**Interests:** Amiga/Commodore  
 Contact: Barbara Bickel  
 (513) 322-9310

### Canton Akron Massillon UG

**Meeting Place:** Holy Trinity Lutheran  
 Church  
 55th & Middlebranch Rd, N Canton  
**When:** 3rd Sat, 7-10 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Roger Knop  
 (216) 499-0848

## Central Ohio Commodore UG

**Meeting Place:** Columbus State  
 Community College  
 Columbus  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Philip Lynch  
 (614) 274-0304

## Chillicothe Commodore UG

**Meeting Place:** Salem Church corner  
 4th & Mulberry St. Chillicothe  
**When:** 1st Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Bill Pietschman  
 (614) 773-2157

## Cleveland Area - Amiga Users Group

**CA-AUG**  
**Meeting Place:** CSU Urban Affairs Bldg,  
 Dively Rm, 1st floor, park in rear or lot to  
 East.  
 Northeast corner of E. 18th and Euclid  
 Ave  
**When:** Summer, 3rd Mon, 7-9 PM, other  
 times 3rd Sat, 1-3:30 PM  
**Interests:** Amiga  
 Contact: Bill Hogsett  
 (216) 295-1624  
**Mailing address:**  
 19443 North Sagamore  
 Fairview Park, OH 44126

## DACUG

**Meeting Place:** Defense Electronics  
 Supply Center (DESC)  
**When:** 2nd Sat, 3-7 PM  
**Interests:** Amiga/Commodore or  
 compatibles  
 Contact: Mona Spurgeon, President  
 (513) 298-6743

## HUG-64

**Meeting Place:** Old Court House  
 819 Park St. Findlay  
**When:** 2nd Wed, 7 PM  
**Interests:** Commodore  
 (419) 424-0455

## I-BUG

**Meeting Place:** Bowle Community  
 Center  
 Bowle  
**When:** 3rd Tues, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Lee Wiseman  
 (301) 464-1745

## North Coast Amiga Users Group

**NCAUG**  
**Meeting Place:** Euclidian Room  
 Euclid Square Mall  
**When:** 2nd Sat, 10 AM  
**Interests:** Amiga  
 Contact: Doug Southworth  
 (216) 352-2192  
 (216) 352-6039 BBS  
**Mailing address:**  
 P.O. Box 1091  
 Fairport Harbor, OH 44077

## O.V.A.U.G.

**Meeting Place:** University of Cincinnati  
 Rieveschl Hall, Rm 502  
 Cincinnati  
**When:** Last Tues, 8:00 PM  
**Interests:** Amiga  
 Contact: George Gibeau  
 (513) 721-1214

## TRUMCUG

**Meeting Place:** Cortland Bank, Elm Road  
 Branch  
 Warren  
**When:** 3rd Wed (except July & Aug), 7:30  
 PM  
**Interests:** Amiga/Commodore  
 Contact: Robert Summers  
 (216) 856-1228

## The Commodore and Amiga UG Inc

**Meeting Place:** Grace Lutheran Church  
 Columbus  
**When:** 4th Sat, 10-1:30 PM; 2nd Mon,  
 6:30-9:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Jo-Ann Nemeth  
 (614) 253-7408

## VICAP

**Meeting Place:** White Oak Library  
 Silver Spring  
**When:** 2nd Sat, 2 PM  
**Interests:** Commodore  
 Contact: Hugh Pettis  
 (301) 434-6944

## Salem Amiga Users Group

**SAUG**  
**Meeting Place:** Salem Computer Center,  
 200 E. Second St, Salem  
**When:** 1st Sat, 6 PM

**Interests:** Amiga  
 Contact: Devon Graham  
 (216) 758-7058  
**Mailing address:**  
 SAUG  
 P.O. Box 7023  
 Boardman, OH 44512

## South Toledo Commodore Computer Club

**S.T.C.C.C.**  
**Meeting Place:** Luke's Barn  
**When:** 3rd Tue, 7:30 PM  
**Interests:** Amiga, C64, Vic-20, MS-DOS  
 clones  
 Contact: Chuck Heinle, President  
 (419) 385-7359  
 (419) 893-4493 BBS  
**Mailing address:**  
 P.O. Box 3167  
 Toledo, OH 43607

## Oklahoma

### Commodore Users of Bartlesville

**Meeting Place:** Our Saviour Lutheran  
 Church  
 300 N.E. Madison Blvd. Bartlesville  
**When:** 4th Tue odd months, 4th Thur  
 even months.  
**Interests:** Amiga/Commodore  
 Contact: Fred Mayes  
 (918) 336-0233

### Oklahoma Amiga Computer Enthusiasts

**OACES**  
**Meeting Place:**  
**When:** 1st Tues  
**Interests:** Amiga  
 Contact: James Franklin  
 (405) 324-8061 BBS  
**Mailing address:**  
 P.O. Box 890981  
 Oklahoma City, OK 73189-0981

## TACUG

**Meeting Place:** Martin East Regional  
 Library  
 Tulsa  
**When:** 2nd Mon, 7:30 PM  
**Interests:** Commodore  
 Contact: Wayne Wehrspann  
 (918) 299-4559

## Tulsa Amiga User Group

**TAG**  
**Meeting Place:** Hardesty Regional Library  
**When:** 2nd Sat., 2:30-4:30 pm  
**Interests:** Amiga  
 Contact: Scott Carr  
 (918) 622-6422  
 (918) 838-7817 BBS  
**Mailing address:**  
 7931 E. 60th Place 87-104  
 Tulsa, OK 74145

## Oregon

## CUA

**Meeting Place:** Calvary Temple Church  
 5th & E. Pine Center Point  
**When:** 1st Mon, 7 PM  
**Interests:** Commodore  
 Contact: Kenneth Cote  
 (503) 779-3290

## Lane County Commodore UG

**Meeting Place:** EWEB Community Room  
 Eugene  
**When:** 3rd Sat, 10-2 PM  
**Interests:** Amiga/Commodore  
 Contact: Francis Saffell  
 (503) 342-6228

## M.I.G.A.

**Meeting Place:** Carefree Mobile Village  
 (rec room)  
 Medford  
**When:** 3rd Sat, 5 PM  
**Interests:** Amiga  
 Contact: Randy Waarrick  
 (503) 826-7510

## Northwest Amiga Group

**NAG**  
**Meeting Place:** DJ's Corner Holgate &  
 39th  
 Portland  
**When:** 4th Tues, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Garry T. Stasiuk, Dale Pace  
 (503) 284-6887  
 (503) 697-0989  
 (503) 228-5618 BBS, 8.N.1  
**Mailing address:**  
 Galleria, Suite 553  
 921 SW Morrison  
 Portland, OR 97205-2723

# User Groups

## Pennsylvania

**ABC Chips**  
**Meeting Place:** Sacred Heart Hospital  
 Allentown  
**When:** 1st Wed, 7-10 PM  
**Interests:** Amiga  
 Contact: Thomas Duff  
 (215) 865-4524

**Buxmont Computer UG**  
**Meeting Place:** Lansdale Public Library  
 Lansdale  
**When:** 2nd Thur, 7 PM  
**Interests:** Commodore  
 Contact: Paul Steinmetz  
 (215) 368-1949

**Central Pennsylvania Amiga Computer Club**  
**CPACC**  
**Meeting Place:** The Camp Hill Shopping  
 Center Community Room  
**When:** 2nd Tue, 6 PM  
**Interests:** Amiga  
 Contact: Robert Crawford  
 (717) 432-8345

**Huntingdon County Hackers**  
**Meeting Place:** Huntingdon County  
 Library, Huntingdon Branch  
**When:** 2nd Sun, 2 PM  
**Interests:** Amiga/Commodore  
 Contact: Shawn Kethner  
 (814) 643-1699  
 (814) 643-2549

**L.E.A.G.U.E.**  
**Meeting Place:** Stauffer Mansion  
 1241 Liftz Pike, Lancaster  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
 Contact: Lamar Stahl  
 (717) 569-1744

**Main Line Commodore UG**  
**Meeting Place:** Villanova University  
 Villanova  
**When:** 1st Sat, 9:30 AM  
**Interests:** Amiga/Commodore  
 Contact: Emil Volcheck  
 (215) 388-1581

**Nepace Commodore UG**  
**Meeting Place:** Penn State Hazleton  
 Campus  
 Hazleton  
**When:** 4th Fri (Sept - May), 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: David Orbin  
 (717) 450-3088

**North Coast Commodore UG**  
**Meeting Place:** Villa Maria College  
 Erie  
**When:** 3rd Tue, 7:15 PM  
**Interests:** Amiga/Commodore  
 Contact: Calvin McAdoo  
 (814) 734-4589

**Philadelphia Amiga UG**  
**PAUG**  
**Meeting Place:** MacAllister Hall, Rm 4014-  
 4018  
 33rd & Chestnut St  
**When:** 2nd Sat, 12:30-4:30 PM  
**Interests:** Amiga  
 Contact: Michael Levin or Adrian  
 Desmarais  
 (215) 664-8278  
 (215) 632-8312 BBS  
**Mailing address:**  
 P.O. Box 21186  
 Philadelphia, PA 19154-0386

**Pittsburgh Commodore Group**  
**Meeting Place:** Mellon Science Hall,  
 Duquesne University  
**When:** 3rd Sun (Sept-June), 9:30 AM  
**Interests:** Amiga/Commodore  
 Contact: Neal Kushner  
 (412) 828-3505  
**Mailing address:**  
 P.O. Box 16126  
 Pittsburgh, PA 15242

**Scranton Commodore UG**  
**Meeting Place:** Junior Achievement  
 Center  
 Scranton  
**When:** 3rd Tue, 7 PM  
**Interests:** Commodore  
 Contact: Phil Matone  
 (717) 489-7843

**Valley Amiga Users Group**  
**VAUG**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 Contact: Thomas Shannahan

(215) 867-4794  
**Mailing address:**  
 1517 Levering Place  
 Bethlehem, PA 18017

**White Rose Commodore UG**  
**Meeting Place:** Adams Electric  
 Cooperative  
 York  
**When:** 3rd Wed, 7 PM  
**Interests:** Commodore  
 Contact: James A. Miller  
 (717) 848-9321

## Rhode Island

**Narragansett Commodore UG**  
**Meeting Place:** Showamut Baptist  
 Church  
 West Shore Road, Warwick  
**When:** 4th Wed, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Ron Maguire  
 (401) 738-6972

**Warwick Commodore UG**  
**Meeting Place:** St. Barnabus Church  
 Appanoag  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Ted Walters  
 (401) 433-5617

## South Carolina

**Commodore Computer Club of Columbia**  
**Meeting Place:** Classics  
 1632 Hampton St, Columbia  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Buster White  
 (803) 733-9783  
 (803) 772-0305

**SPARCUG**  
**Meeting Place:** Spartanburg Art Center  
 Spartanburg  
**When:** 2nd Sun (except May), 1:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Lee Speer  
 (803) 582-5222

## South Dakota

**Aberdeen Commodore Club**  
**Meeting Place:** NW Bell Bldg  
 15 SW 4th Ave, Aberdeen  
**When:** Last Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Dorothy Gathright  
 (605) 622-3880 BBS

## Tennessee

**Commodore Association of SE**  
**Meeting Place:** Bonanza  
 Stewart Ferry Pk & I-40 Nashville  
**When:** Sat, Noon  
**Interests:** Amiga/Commodore  
 Contact: Thomas Kujawa  
 (615) 648-1838

**Hackers**  
**Meeting Place:** Bartlett Library  
 Bartlett  
**When:** 2nd Mon, 7 PM; 3rd Sat, 10 AM  
**Interests:** Commodore  
 Contact: James Patrick  
 (901) 795-0461

**Memphis Amiga Group**  
**Meeting Place:** State Tech Inst At  
 Memphis  
 Memphis  
**When:** 2nd Sat, 1 PM  
**Interests:** Amiga  
 Contact: Bob & Cheryl Nunn  
 (901) 767-9239  
**Mailing address:**  
 P.O. Box 752683  
 Memphis, TN 38175

**Memphis Commodore Users Club**  
**Meeting Place:** State Tech Inst, Fulton  
 Auditorium  
 Memphis  
**When:** 1st Tue, 7 PM  
**Interests:** Commodore  
 Contact: Bob Nunn  
 (901) 795-0461

**The Amiga Club**  
**Meeting Place:** Cumberland Museum  
 Antioch  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga  
 Contact: Becky Fox Matthews  
 (615) 776-5438 BBS  
**Mailing address:**  
 P.O. Box 40651  
 Nashville, TN 37204

## Texas

**Abilene Amiga User Group**  
**A.A.U.G.**  
**Meeting Place:** Abilene Public Library,  
 2nd floor conference room  
**When:** 4th Sat, 1 PM  
**Interests:** Amiga  
 Contact: Rick Russell, President  
 (915) 690-0150  
**Mailing address:**  
 P.O. Box 7682  
 Abilene, TX 79608

**U.S. of Amiga**  
**Meeting Place:** Call for directions  
**When:** 2nd Sat, 3 PM  
**Interests:** Amiga  
 Contact: Galen Shelby  
 (806) 797-3822  
**Mailing address:**  
 6609 Joliet Drive  
 Lubbock, TX 79413

**CUT**  
**Meeting Place:** 7007 Memphis Ave.  
 Lubbock  
**When:** 2nd Tue, 7-9 PM; 4th Sat, 3-5 PM  
**Interests:** Amiga/Commodore  
 Contact: Gayle Gafford  
 (806) 792-7121

**Central Texas Amiga Computer Society**  
**CTACS**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 Contact: Arnaldo R. Cruz  
 (512) 458-8004 BBS  
**Mailing address:**  
 ATTN: Treasurer  
 P.O. Box 90685  
 Austin, TX 78709-0685

**Club Amiga**  
**Meeting Place:** Micro Search Computers  
 9896 S.W. Freeway, Houston  
**When:** 1st Thur, 7-9 PM  
**Interests:** Amiga  
 Contact: Joyce Burek  
 (713) 481-4704 after 4 PM

**Coastal Bend Amiga Users Group**  
**CBAUG**  
**Meeting Place:** Computer-Ease 1819 S.  
 Alameda  
 Corpus Christi, TX 78404  
**When:** 1st and 3rd Sat, 11 AM  
**Interests:** Amiga  
 Contact: David Crum  
 (512) 882-2275  
 (512) 883-8351 BBS

**Commodore Amiga users of San Antonio**  
**CASA**  
**Meeting Place:** Amazing Computers  
 7115 Blanco Ste. 114  
 San Antonio  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
 Contact: James O. Jackson  
 (512) 921-1758  
**Mailing address:**  
 CASA  
 P.O. Box 290039  
 San Antonio, TX 78280-1439

**Concho Valley Commodore Users Group**  
**CVCUG**  
**Meeting Place:** 2nd Thurs at Central  
 National Bank  
 4th Sat at El Patio Motel  
**When:** 2nd Thurs, 7 PM, 4th Sat, 9 AM  
**Interests:** Computers in general, Amigas  
 in particular  
 Contact: Jon B. Peterson, Pres.  
 (915) 949-1400  
**Mailing address:**  
 CVCUG  
 P.O. Box 2661  
 San Angelo, TX 76902

**El Paso Amiga Users Group**  
**EPAUG**  
**Meeting Place:** St. Pauls Methodist  
 Church  
 7000 Edgemere  
**When:** 2nd & 4th Thur, 7:00 PM  
**Interests:** Amiga  
 Contact: Walker Jackson  
**Mailing address:**  
 6628 Mariposa  
 El Paso, TX 79912

**El Paso Commodore UG**  
**Meeting Place:** Lincoln Cultural Arts  
 Center  
 4001 Durazo, El Paso  
**When:** 2nd Thur, 7 PM; Last Sat, 10 AM  
**Interests:** Amiga/Commodore/ MS-DOS  
 Contact: Blaine Snyder  
 (915) 751-9884

**Longview Commodore UG**  
**Meeting Place:** Pinetree Jr. High School  
 Longview  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Eldon Boswell  
 (214) 759-9064

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga Central Chapter,  
 Arlington Community Center, Arlington  
**When:** 3rd Thurs, 7:00 PM  
**Interests:** Amiga  
 Contact: Ray Howard  
 (214) 660-4819  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga North Dallas  
 Chapter, Richardson Civic Center  
**When:** 3rd Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Danny Barnett  
 (214) 276-1330  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga By-The-Loop  
 Chapter, North Richland Hills Community  
 Center  
**When:** 2nd Tues, 7:00 PM  
**Interests:** Amiga  
 Contact: David Owens  
 (817) 577-2304  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga West Chapter,  
 Texas College of Osteopathic Medicine,  
 Fort Worth  
**When:** 2nd Thurs, 7:00 PM  
**Interests:** Amiga  
 Contact: Jack Smith  
 (817) 924-9289  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**TOTCOM**  
**Meeting Place:** LTV  
 530 West Brown, Pampa  
**When:** 1st & 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Sid Robinson

**TRICUG**  
**Meeting Place:** call for meeting place  
 Amarillo  
**When:** 2nd Sat, 10-12 Noon  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Wayne Martin  
 (806) 355-4577

**Texas Commodore UG**  
**Meeting Place:** Lewis Hunnicutt's House  
 Royse City  
**When:** call for day and time.  
 Contact: Lewis Hunnicutt  
 (214) 635-9005

## Utah

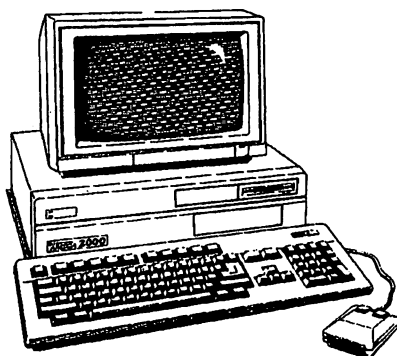
**Amiga Round Table**  
**ART**  
**Meeting Place:** Weber State College,  
 Lind Lecture Hall, Rm126  
 Ogden  
**When:** 2nd Sat, 11 AM  
**Interests:** Amiga  
 Contact: Leonard Larsen  
 (801) 825-8121  
**Mailing address:**  
 P.O. Box 602  
 Clearfield, UT 84015

**BYU Amiga Users Group**  
**Meeting Place:** 258 ELWC on the  
 Brigham Young University  
 Provo  
**When:** 2nd & 4th Sat, 10 AM  
**Interests:** Amiga  
 Contact: Brian Koetting  
 (801) 377-2269

## Virginia

**Amigold Life-Form Association**  
**A.L.F.A.**  
**Meeting Place:** Thomas Nelson  
 Community College, Gator Room  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
 Contact: Norm Goswick  
 (804) 865-7903  
**Mailing address:**

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |



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| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

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| Computer Shopping Network | 104 | 53     |
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| Digital Creations         | 106 | CIII   |
| Digital Creations         | 106 | CIV    |
| Dineen Edwards Group      | 107 | Insert |
| Dreamworks                | 108 | 112    |
| J&C Computer Services     | 109 | 256    |
| Memory Management         | 110 | 55     |
| New Horizons Software     | 114 | CII    |
| Oxxi, Inc.                | 111 | 171    |
| Signs, Etc. by D. Knox    | 112 | 42     |
| Visionsoft                | 113 | 54     |

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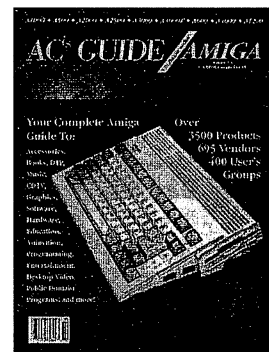
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|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

PK Birkmeyer  
4706 Maser Court  
Hampton, VA 23666

## CURVE

**Meeting Place:** Dumbarton Library,  
Staples Mill Penick  
Richmond  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Kent Durvin  
(804) 321-5057

## Capital Area Commodore Enthusiasts

**Meeting Place:** Tysons- Pimmit Regional  
Library  
Fairfax City  
**When:** 4th Sat, 1:30 PM  
**Interests:** Amiga/Commodore  
Contact: William Tyler  
(703) 471-0442

## Computer Club of South West Virginia

**Meeting Place:** Salem Civic Center  
**When:** 2nd Tues, 6-9 PM  
**Interests:** Graphics and games  
Contact: Carl Shermat  
(703) 562-1767 Voice 9 AM -9 PM  
**Mailing address:**  
P.O. Box 727  
Salem, VA 24153

## National Capital Amiga Users Group

**NCAUG**  
**Meeting Place:** Washington Gas Light  
Co., 6801 Industrial Road  
Springfield  
**When:** 2nd Sat, 1 PM, new users SIG  
Noon  
**Interests:** Amiga  
Contact: Bill Falls  
(703) 532-1642  
(703) 658-4369 BBS F8N1  
**Mailing address:**  
P.O. Box 12360  
Arlington, VA 22209

## Portsmouth Commodore UG

**Meeting Place:** Portsmouth Catholic  
Elementary School  
Portsmouth  
**When:** 4th Tue, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Louis Parker  
(804) 488-2249

## R.A.G.

**Meeting Place:** Dumbarton Library  
Richmond  
**When:** 4th Sat  
**Interests:** Amiga  
Contact: Bob Fisher  
(804) 353-0225

## Tidewater Commodore UG

**Meeting Place:** Open Door Chapel (rear)  
Virginia Beach  
**When:** 2nd & 4th Thur, 7 PM  
**Interests:** Amiga/Commodore  
(804) 588-5617

## Washington Area Commodore UG

**Meeting Place:** George Mason High  
School  
7124 Leesburg Pike, Falls Church  
**When:** 3rd Sat  
**Interests:** Amiga/Commodore  
Contact: John Krout  
(703) 273-6074

## Vermont

### Champlain Valley Commodore UG

**Meeting Place:** S. Burlington Middle  
School (cafeteria)  
S. Burlington  
**When:** Last Wed, 7-9 PM  
**Interests:** Amiga/Commodore  
Contact: Steve Lippert  
(802) 658-4160

## Washington

### AMUSE

**Meeting Place:** Lake Hills Library  
15228 Lake Hills Blvd, Bellevue  
**When:** Sat, 4:30 PM  
**Interests:** Amiga  
Contact: Jim Boydston  
(206) 255-2043

### Amiga First Users Group of Spokane

**AFUGS**  
**Meeting Place:** Various Amiga Dealers in  
Spokane  
**When:** 2nd Wed, 7PM  
**Interests:** Amiga  
Contact: Dave Harris  
(503) 299-7543  
**Mailing address:**  
Rt. 2 Box 10R7  
Espanola, WA 99022

## Bellingham Amiga Users

**Bel-Ami**  
**Meeting Place:** Bond Hall Room 104/105  
Western Washington Campus (visitors  
welcome)  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
Contact: T. Scott  
**Mailing address:**  
P.O. Box 786  
Bellingham, WA 98227-0786

## Blue Mountain Commodore UG

**Meeting Place:** Labor Council Building  
Walla Walla  
**When:** 3rd Tues, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Sam Southall  
(509) 529-2995  
**Mailing address:**  
702 E. Alder  
Walla Walla, WA 99362

## Federal Way Amiga Users Group

**F.W.A.U.G.**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
Contact: Anthony Fortini  
(206) 941-8455 Voice  
(206) 859-0525 BBS  
**Mailing address:**  
31419-3rd Place South  
Federal Way, WA 98003

## Island Commodore UG

**Meeting Place:** Harbor Towers  
7330 700th Ave W Oak, Harbor  
**When:** 2nd Sat, 7:30 PM  
**Interests:** Commodore  
Contact: Carole Czaplinski  
(206) 679-4450

## Lacey/Olympia/Tumwater Amiga Users' Group

**LOTAUG**  
**Meeting Place:** Olympia Community  
Center, Room 103  
222 Columbia Street Olympia, WA 98501  
**When:** June-September, 1st Tues, 6:30-  
10:00, Oct-May, 1st Sat, 12:30-4:30  
Contact: Ed Kivi or John Freeland  
(206) 491-6122 Ed Kivi  
(206) 456-2877 John Freeland

## O.P.U.G.

**Meeting Place:** Agnew Community Hall  
Port Angeles  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Commodore  
Contact: James Rosand  
(206) 452-8601 BBS

## S.T.A.G.

**Meeting Place:** Bates V. Tech  
2201 S. 78th St, Tacoma  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga  
Contact: Ralph Redjou  
(206) 581-2993

## SWAMI

**Meeting Place:** Take A Byte Computers  
815 W. Columbia Dr, Kennewick  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga  
Contact: Chris Bosted  
(509) 375-7709

## UPCHUG

**Meeting Place:** Fircrest Recreation  
Center  
Tacoma  
**When:** 2nd & 4th Thur, 7 PM  
**Interests:** Amiga/Commodore  
Contact: David Ockrassa  
(206) 832-3359

## Vancouver Amiga User Group

**VAUG**  
**Meeting Place:** Smokey's Pizza  
Hazelville  
**When:** 2nd Mon, 7:30 PM  
**Interests:** Amiga  
Contact: Dan Edwards  
(206) 896-9834  
(206) 695-3630 BBS  
**Mailing address:**  
P.O. Box 84544  
Vancouver, WA 98684-0544

## WACKO Walla Walla Computer Users

**Meeting Place:** Life Science Center,  
Main Lecture Hall  
Walla Walla College, College Place  
**When:** 3rd Sun, 2 PM  
Contact: Richard Daley

## Wisconsin

### CHIPS

**Meeting Place:** 800 East Kilbourn

## West Bend

**When:** 2nd Wed & 4th Thur, 6:30 PM  
**Interests:** Commodore  
Contact: Thomas Daley  
(414) 338-3047

## Club Commodore

**Meeting Place:**  
**When:**  
Contact: Tom Dunk, President  
(414) 554-5952 BBS  
Roger Christensen, System Operator  
**Mailing address:**  
Club Commodore  
P.O. Box 085682  
Racine, WI 53408

## Commodore Amiga Madison Enthusiasts

**Organization**  
**CAMEO**  
**Meeting Place:** Union South  
University of Wisconsin  
**When:** 4th Mon., 8 pm.  
**Interests:** Amiga  
Contact: RCC Systems  
(608) 258-8404  
**Mailing address:**  
Box 53 Union South  
227 n. Randall  
Madison, WI 53706

## Lakeshore Commodore Core

**Meeting Place:** Lakeshore Tech College  
(cont rm A)  
Cleveland  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Menwyn Beyer

## Milwaukee Area Commodore Enthusiasts

**MACE**  
**Meeting Place:** American Legion Post  
9153 W. Belmont Road (one block south of  
92nd and Oklahoma Ave.)  
**When:** 2nd & 4th Mon, 7 PM  
**Interests:** Amiga  
Contact: Mike Mstlik  
(414) 645-0951  
**Mailing address:**  
P.O. Box 26216  
Milwaukee, WI 53226

## Northeast Wisconsin Amiga Users Group

**Meeting Place:**  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
Contact: Tim Kolb  
(414) 749-9338  
**Mailing address:**  
Tim Kolb  
951 North Perkins Street  
Appleton, WI 54914

## West Virginia

### BUG 20/64 Bluefield UG

**Meeting Place:** Humana St. Lukes  
Southview Dr, Bluefield  
**When:** 2nd Mon  
**Interests:** Commodore  
Contact: John Knowles  
(703) 326-2140

## Wyoming

### Casper Commodore User Group

**CCUG**  
**Meeting Place:** Crazy Mountain Software  
511 E. Sunset Street Casper  
**When:** Call for details  
**Interests:** Amiga/Commodore 64  
Contact: Roy Pahnke  
(307) 577-1963

### Cheyenne Association

**Meeting Place:** Laramie County Library  
2800 Central Ave, Cheyenne  
**When:** 1st Thur, 7 PM  
**Interests:** Commodore  
Contact: Gene Rugotzke

## Australia

### Albury Wodonga CUG

**Meeting Place:**  
**When:**  
**Mailing address:**  
P.O. Box 1014  
Albury, NSW 2640  
Australia,

### Amiga Burwood UG

**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga Burwood UG  
P.O. Box 308  
Burwood, NSW 2134,  
Australia

## Amiga UG (Vic) Inc

**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga UG (Vic) Inc  
P.O. Box 48  
Boronia, VIC 3155,  
Australia

## Amiga UG of NT

**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga UG of NT  
P.O. Box 3895  
Winnellie, NT 0821,  
Australia

## Amiga UG of SA

**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga UG of SA  
P.O. Box 10131  
Adelaide, SA 5001,  
Australia

## Amiga UG of WA Inc.

**Meeting Place:** Curtin University, Bentley  
**When:** 2nd Tues, Tutorials every Friday  
**Interests:** Newsletter: AUGMENT  
Contact: Bill Charpe-Smith, President  
(011) 619-362-3539 B. Charpe-Smith  
(011) 619-279-2778 Arthur Rutland  
**Mailing address:**  
Amiga UG of WA Inc.  
P.O. Box 595  
Cloverdale, WA 6105,  
Australia

## Amiga User Group of Western Australia

**Inc.**  
**AUGWA**  
**Meeting Place:** Curtin University, Bentley  
**When:** 2nd Tues  
**Interests:** Amiga  
Contact: Bill Sharpe-Smith  
(011) 619-362-3539  
(011) 619-275-4689 FAX  
**Mailing address:**  
Amiga Users Group of W.A. Inc.  
P.O. Box 595  
Cloverdale W.A. 6105

## Armidale Amiga UG

**Meeting Place:**  
**When:**  
**Mailing address:**  
Armidale Amiga UG  
3/217 Beardsy Street  
Armidale, NSW 2350,  
Australia

## Australian Amiga UG

**Meeting Place:**  
**When:** 2nd Sat  
**Interests:** Publication: Australian Amiga  
(011) 6176-932-198  
**Mailing address:**  
Australian Amiga UG  
P.O. Box 1386  
Toowoomba, QLD 4350,  
Australia

## Australian Amiga Users Association

**Meeting Place:**  
**When:**  
**Mailing address:**  
Australian Amiga Users Association  
P.O. Box 389  
Penrith, NSW 2750,  
Australia

## Balaclava UG

**Meeting Place:**  
**When:**  
**Mailing address:**  
Balaclava UG  
3/2 Almond Avenue  
Brooklyn, VIC 3025,  
Australia

## Barossa UG

**Meeting Place:**  
**When:**  
**Mailing address:**  
Barossa UG  
RSD Box 1 Daveyston  
Greenock, SA 5300,  
Australia

## Border District CUG

**Meeting Place:**  
**When:**  
**Mailing address:**  
Border District CUG  
P.O. Box 536  
Wodonga, VIC 3090,  
Australia

# User Groups

**Brisbane Amiga UG Inc**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Brisbane Amiga UG Inc.  
 Lot 4 Lindsay Road  
 Morayfield, QLD 4500,  
 Australia

**Bundaberg CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Bundaberg CUG  
 P.O. Box 1599  
 Bundaberg, QLD 4670,  
 Australia

**Burnie Commodore Amiga UG**  
**Meeting Place:** Mooreville Road campus  
 of TAFE  
**When:** 2nd Tues. (except school  
 holidays)  
**Interests:** Newsletter: B.C.A.U.G. News  
 Contact: Clyde McLennen, President  
**Mailing address:**  
 Burnie Commodore Amiga UG  
 P.O. Box 471  
 Burnie TAS 7320,  
 Australia

**CRI CUG**  
**Meeting Place:** VRI Hall Stewart Street  
 Braybrook  
**When:** 3rd Sun, 7:30 PM  
**Contact:** Rod Mason, President  
 (011) 613-314-5677 Steve Riepsamen  
 (011) 613-306-4063 Rod Mason

**CUG (VIC)**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 CUG (VIC)  
 1 Argyle Street  
 Gladstone, VIC 3140,  
 Australia

**CUG of Australia**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 CUG of Australia  
 P.O. Box 166  
 Pittsworth, QLD 4350,  
 Australia

**Canberra Amiga Users Society**  
**CAUSE Meeting Place:** Canberra Workers  
 Club  
**When:** 2nd Thurs, 7 PM  
**Interests:** Amiga  
**Contact:** Paul Martin  
 (011) 616-253-2121  
**Mailing address:**  
 GPO Box 596  
 Canberra City  
 ACT 2601 Australia,

**Canberra UG ACT Inc.**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Canberra UG ACT Inc.  
 P.O. Box 409  
 Curtin, ACT 2005,  
 Australia

**Commodore CUG (WA)**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore CUG (WA)  
 234 Balcatta Road  
 Gwelup, WA 6021,  
 Australia

**Commodore CUG Inc**  
**CCUG Inc**  
**Meeting Place:**  
**When:**  
**Interests:** Cursor-Newsletter  
**Contact:** Greg Perry, President  
 (011) 617-366-3295 Greg Perry  
 (011) 617-209-9084 Mike Williams  
 (011) 617-808-7694 BBS  
**Mailing address:**  
 Commodore CUG Inc.  
 P.O. Box 274  
 Springwood, QLD 4127,  
 Australia

**Commodore Hornsby UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore Hornsby UG  
 P.O. Box 1578, Hornsby  
 Northgate, NSW 2077,  
 Australia

**Commodore UG Mackay**  
**Meeting Place:** Mackay & District  
 Education Center North Mackay  
**When:** 2nd Wed, 7:30 PM  
**Contact:** Trevor Johnston  
 (011) 617-959-8417  
**Mailing address:**  
 Commodore UG Mackay  
 P.O. Box 422  
 Mackay, QLD 4740,  
 Australia

**Compu-Tech Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Compu-Tech Computer Club  
 15 Hazelton Grove  
 Gateshead, NSW 2290,  
 Australia

**Cooma Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Cooma Amiga UG  
 P.O. Box 409  
 Cooma, NSW 2630,  
 Australia

**Dingily CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Dingily CUG  
 1 Hazelwood Close  
 Dingley, VIC 3172,  
 Australia

**East Coast Amiga**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 East Coast Amiga  
 P.O. Box 344  
 Gosford, NSW 2250,  
 Australia

**Eastern Suburbs CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Eastern Suburbs CUG  
 P.O. Box 236  
 Botany, NSW 2019,  
 Australia

**Eastern Suburbs Eighty UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Eastern Suburbs Eighty UG  
 17 Douglas Avenue  
 Box Hill South, VIC 3128,  
 Australia

**Gladstone Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Gladstone Amiga UG  
 P.O. Box 1390  
 Gladstone, QLD 4600,  
 Australia

**Hedland CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Hedland CUG  
 5a Baler Close  
 South Hedland, WA 6722,  
 Australia

**Ipswich CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Ipswich CUG  
 P.O. Box 252  
 Ipswich, QLD 4305,  
 Australia

**Knoxcom Incorporated**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Knoxcom Incorporated  
 P.O. Box 2000  
 Fernfree Gully, VIC 3156,  
 Australia

**MacQuarie Fields UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 MacQuarie Fields UG  
 32 Rosewood Drive  
 MacQuarie Fields NSW 2564,  
 Australia

**Melbourne Commodore Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Melbourne Commodore Computer Club  
 P.O. Box 177  
 Box Hill, VIC 3128,  
 Australia

**Moe CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Moe CUG  
 20 Edward Crescent  
 Traralgon, VIC 3824,  
 Australia

**Mount Isa Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Mount Isa Amiga UG  
 P.O. Box 1722  
 Mount Isa, QLD 4825,  
 Australia

**Newcastle CUG**  
**Meeting Place:** Charlestown Public  
 Library  
 Ridley Street, Charlestown  
**When:** 4th Tues, 7 PM  
**Interests:** Newsletter: VICTIM  
**Contact:** Marcus Graham or Sue Slack  
 (011) 6149-634-952  
 (011) 6149-471-118  
**Mailing address:**  
 Newcastle CUG  
 4/13 Smart Street  
 Charlestown, NSW 2290,  
 Australia

**Northern Amiga UG**  
**Meeting Place:**  
**When:**  
**Interests:** Newsletter of the Northern  
 Amiga User Group  
**Contact:** Marc Katona, President  
**Mailing address:**  
 Northern Amiga UG  
 P.O. Box 1722  
 Mount Isa, QLD 4825,  
 Australia

**Perinth CUG**  
**Meeting Place:** Victoria Street  
 Community Cottage  
 Victoria St., Werrington  
**When:** 3rd Wed, 7:30 PM  
**Contact:** Gary Bull, President  
 (011) 612-670-3207  
 (011) 612-623-4258 after 5  
**Mailing address:**  
 Perinth CUG  
 42 Alpine Circuit  
 St. Clair, NSW 2759,  
 Australia

**Perth Commodore & Amiga UG**  
**Meeting Place:** Les Hansman Centre, 246  
 Walter Road  
 Morley  
**When:** Every Thurs, 7-9:30 PM  
**Contact:** John Roe  
 (011) 619-276-6287  
**Mailing address:**  
 Perth Commodore & Amiga UG  
 22 Mariot Way  
 Morley WA 6062,  
 Australia

**RAAF Richmond Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 RAAF Richmond Computer Club  
 C/-CTS, SSSRIC, RAAF Base  
 Richmond, NSW 2755,  
 Australia

**S.A.C.C.U.G.**  
**Meeting Place:** North Adelaide Primary  
 School Tynte Street  
 North Adelaide  
**When:** 1st & 3rd Mon, 7:30 PM  
**Interests:** Newsletter: Bits and Bytes  
**Contact:** Glenn, President  
**Mailing address:**  
 S.A.C.C.U.G.  
 P.O. Box 427  
 North Adelaide SA 5006,  
 Australia

**Shepparton Commodore Computer Club**  
**Meeting Place:** Guide Hall Center of  
 Nixon & Skene Street  
 Shepparton  
**When:** Fortnightly on Sun, 7:30-9:00 PM  
**Contact:** Val Hutchinson

**Singleton Amiga UG**  
**Meeting Place:** Staff Room of the  
 Singleton Heights Public School  
**When:** 2nd Wed, 7 PM  
**Contact:** Ken Gate, Chairman  
**Mailing address:**  
 Singleton Amiga UG  
 22 Falkiner Crescent  
 Singleton Heights,  
 NSW 2330 Australia

**Southern Districts CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Southern Districts CUG  
 1 Birubi Way  
 Morphett Vale, SA 5162,  
 Australia

**Stawell CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Stawell CUG  
 P.O. Box 299  
 Stawell, VIC 3380,  
 Australia

**Sydcorn**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Sydcorn  
 GPO Box 1542  
 Sydney, NSW 2001,  
 Australia

**Tasmanian Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Tasmanian Amiga UG  
 6A Hamilton St.  
 Launceston, TAS 7250,  
 Australia

**Tasmanian Commodore Users**  
**Association**  
**Meeting Place:** Glenorchy Denwent  
 Regional Library, Terry Street, Glenorchy  
**When:** 7:30 PM  
**Interests:** Newsletter: Discourse  
**Contact:** Kaz Paul, President  
**Mailing address:**  
 Tasmanian Commodore Users  
 Association  
 P.O. Box 673 GPO  
 Hobart, TAS,  
 Australia

**The Amiga Users Group Inc.**  
**Meeting Place:** Victoria College,  
 Burwood Campus, Theatre 1  
**When:** 3rd Sun, 2 PM  
**Interests:** Amiga  
**Contact:** L.A. Beranek  
 (011) 613-527-1995  
 (011) 613-376-3887 BBS  
 (011) 613-376-7375 BBS  
**Mailing address:**  
 P.O. Box 684E  
 Melbourne  
 3001 Australia

**Tuggerah Lakes CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Tuggerah Lakes CUG  
 P.O. Box 2257  
 Gosford, NSW 2250,  
 Australia

**VK Commodore UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 VK Commodore UG  
 P.O. Box 168  
 Launceston, TAS 7467,  
 Australia

**VRI CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 VRI CUG  
 P.O. Box 253  
 Glenroy, VIC 3040,  
 Australia

**West Coast CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 West Coast CUG  
 8 Hurst Street  
 Queenstown, TAS 7467,  
 Australia

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# User Groups

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**Whyalla CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Whyalla CUG  
 P.O. Box 2367  
 Whyalla (Norrie), SA 5608,  
 Australia

**Wollongong Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Wollongong Amiga UG  
 42 Heaslip Street  
 Coniston, NSW 2500,  
 Australia

**Yarra Valley CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Yarra Valley CUG  
 P.O. Box 170  
 Lilydale, VIC 3140,  
 Australia

## Canada

**Amici Amiga**  
**Meeting Place:** National Research Council, Auditorium  
 100 Sussex Dr, Ottawa  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Walt Sullivan  
**Mailing address:**  
 5 Commanche Dr.  
 Nepean  
 Ontario, Canada, K2E 6E8

**Amiga Manitoba User Group**  
**AMUG**  
**Meeting Place:** The Manitoba Hydro Building 820 Taylor  
 Winnipeg, Manitoba  
**When:** Last Tues, 7:45 PM  
**Interests:** Amiga  
 Contact: Gerald Brandt  
 (204) 669-1666 BBS  
**Mailing address:**  
 P.O. Box 2055  
 Winnipeg  
 Manitoba, Canada, R3C 3R3

**Amiga Users of Calgary**  
**AMUC**  
**Meeting Place:** Mt. Royal College,  
 Jenkins Theater  
 Calgary  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga  
 Contact: Jeff Rose  
 (403) 948-6813  
 (403) 282-5224 BBS, highest speed  
**Mailing address:**  
 P.O. Box 154  
 Station 'G'  
 Calgary, Alberta, Canada, T3A 2G2

**Amiga Users of Regina Association**  
**AURA**  
**Meeting Place:** Saskatchewan Science Centre, Regina  
**When:** 2nd Tue, 7:30  
**Interests:** Amiga  
 Contact: Dennis Krupski  
 (306) 545-5045  
**Mailing address:**  
 34 Deergrove Crescent  
 Regina, Saskatchewan, S4S 5L9  
 Canada

**Barrie Users Group**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 Contact: Paul Mather  
 (705) 728-9047  
**Mailing address:**  
 21 Baltimore Road  
 Barrie  
 Ontario, Canada, L4M 5M6

**Brampton Commodore UG**  
**Meeting Place:** Chingscousy Library-  
 Bramalea  
 Brampton  
**When:** 2nd Mon (except July-August), 7-9 PM  
**Interests:** Amiga/Commodore  
 Contact: Daniel Berg  
 (705) 846-7981

**Calgary Commodore UG**  
**Meeting Place:** Public Lib 616 MacLeod  
 Trail SE  
 Calgary  
**When:** 1st Wed (except July & Aug ), 7:30-11 PM  
**Interests:** Amiga/Commodore  
 Contact: Ralph Dunphy

(403) 286-4568

**Commodore Users of Edmonton**  
**amC.U.E.**  
**Meeting Place:** University of Alberta, Phys Ed Building, Room E120  
**When:** 3rd Thurs, 7 PM  
**Interests:** Amiga  
 Contact: Roger Walker  
 (403) 454-2832 BBS  
**Mailing address:**  
 Peter Dahl, Secretary  
 Box 3155  
 Fort Saskatchewan,  
 Alberta, Canada T8E 2T2

**Commodore Users of Edmonton**  
**650C.U.E.**  
**Meeting Place:** Archbishop Jordan High School  
**When:** Last Fri, 7:30 PM  
**Interests:** Commodore  
 Contact: Bob Kadylo  
 (403) 466-7656 BBS

**LugNuts**  
**Meeting Place:** St. Catherines Library  
 54 Church St.  
**When:** 3rd Tues, 7:30 PM  
**Interests:** Amiga  
 Contact: Rob Maxwell  
 (416) 680-0609  
**Mailing address:**  
 7 Killamey Crescent  
 Thorold  
 Ontario, Canada, L2V 4C2

**MUG**  
**Meeting Place:** Dieppe Town Hall  
**When:** 1st Tue, 7-10PM  
**Interests:** Amiga/Commodore  
 Contact: Dave Quinn  
 (506) 382-9664

**Midland Commodore UG**  
**Meeting Place:** Midland Centennial Arena Boardroom #1  
 Midland  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Frank Murphy  
 (705) 549-7397 BBS

**North Bay Commodore UG**  
**Meeting Place:** Ministry of Transportation  
 North Bay  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Fred Miller  
 (705) 474-8714

**Pleasantville Commodore UG**  
**Meeting Place:** Bldg 308, Langley Rd  
 St. John's  
**When:** 2nd Tue, 8 PM  
**Interests:** Amiga/Commodore  
 Contact: Michael Sullivan  
 (709) 726-0136

**Port Coquitlam Computer Club**  
**Meeting Place:** Hyde Creek Centre  
 1379 Laurier Port, Coquitlam  
**When:** 1st & 3rd Tue  
**Interests:** Amiga/Commodore  
 Contact: Michael Evans  
 (604) 942-4286

**Amiga Alliance, Amiga Users of North Bay**  
**Meeting Place:** Canadore College  
**When:** 2nd Wed, 7:30 PM; Exec. meeting on 3rd Wed  
**Interests:** Amiga products and software  
 Contact: Steve Ray  
 (705) 497-3057 BBS, 2400 Baud, 24 hr  
 The Fat Agnus  
**Mailing address:**  
 c/o Steve Ray  
 RR#1, 4 Mile Lake Rd  
 North Bay, Ontario, P1B 8G2  
 Canada

**Amiga-Based User Group**  
**ABUG**  
**Meeting Place:** 519 Church Street,  
 Toronto, Ontario,

**When:** 3rd Sun, 2-5 PM  
**Interests:** Amiga  
 Contact: Chris Larcombe  
 (416) 498-7000  
**Mailing address:**  
 1795 Meadowview Avenue  
 Pickering, Ontario  
 Canada L1V 3G7,

**Commodore Computer Club**  
**Meeting Place:** Sunset Community Center 404 e. 51 Ave. Vancouver, B.C.  
 B.C.I.T.  
**When:** 1st Tues.  
**Interests:** Amiga

Contact: Ray Norman  
 (604) 589-7199  
**Mailing address:**  
 9006 Prince Charles Blvd.  
 Surrey, BC V3V 1R5  
 Canada

**Commodore Computer Club**  
**Meeting Place:** B.C.I.T. Room 129A  
**When:** 2nd and 4th Wed  
 Contact: Bill Wagstaff  
 (614) 597-1746  
**Mailing address:**  
 P.O. Box 80343  
 South Burnaby, B.C.  
 Canada V5H 3X6,

**Kick Start Amiga Users Group**  
**Meeting Place:** Innovision 800 Hanwell Rd., Ste. E  
 Fredericton, N.B. Canada  
**When:** Last Wed, 7-9 PM  
**Interests:** Amigas  
 Contact: Calvin Martin  
 (506) 458-0895  
**Mailing address:**  
 Kick Start Amiga Users Group  
 c/o Calvin Martin  
 155 Aberdeen Street,  
 Fredericton, NB Canada E3B 1R4

**Toronto Pet Users Group, Inc**  
**TPUG**  
**Meeting Place:** York Public Library, Story Hour Room, downstairs  
 1745 Eglinton Ave W. (one block east of Dufferin)  
**When:** 2nd Tues (except July and August) at 7:30 PM  
**Interests:** Central Amiga  
 Contact: George Skinner  
 (416) 225-8538  
 (416) 273-6300 BBS, 24hrs.  
 300/1200/2400 bps  
**Mailing address:**  
 5334 Yonge St.  
 Box #116  
 Willowdale, Ontario,  
 Canada M2N 6M2

## Denmark

**Safe Hex International**  
**Meeting Place:**  
**When:**  
**Interests:** Virus protection  
 Contact: Erik Loevendahl Soerenen  
 DAN BBS Denmark, 24 hrs  
 + 45 42643827 (2400-19200 Baud)  
 + 45 4362823 (1200-2400 Baud)  
**Mailing address:**  
 Erik Loevendahl Soerenen  
 Snaphanevej 10  
 4720 Praeastoe,  
 Denmark

## Japan

**Commiga Computer Club**  
**Meeting Place:** Misawa Air Base  
**When:**  
**Interests:** Amiga  
 Contact: Marshall Butler  
 011-3117-66-5109

**Commodore Fan Club**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga, Commodore  
 Contact: Koji Sugimura  
**Mailing address:**  
 Commodore Fan Club  
 Higashi-Tsishi  
 Yao, Osaka,  
 Japan

## New Zealand

**Amiga User Group of N.Z.**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Amiga User Group of N.Z.  
 P.O. Box 35107  
 Christchurch, NZ,

**Christchurch CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Christchurch CUG  
 P.O. Box 4665  
 Christchurch,  
 New Zealand

**NZ Micro Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 NZ Micro Computer Club  
 P.O. Box 6210  
 Auckland, NZ,

**New Zealand Amiga User Group**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 New Zealand Amiga User Group  
 P.O. Box 85094, Sunnynook  
 Auckland, NZ, NZ10,

## South Australia

**Adelaide Amiga user group**  
**ADAM**  
**Meeting Place:** Mawson High School  
 Library Colton Ave.  
 Hove Adelaide  
**When:** Every Mon  
**Interests:** Amiga  
 Contact: A. Wilson  
**Mailing address:**  
 G.P.O. Box 332  
 Adelaide, South Australia, 5000

## Sweden

**Amiga C Club**  
**ACC**  
**Meeting Place:**  
**When:**  
**Interests:** C programming  
**Mailing address:**  
 Amiga C Club  
 Tulevagen 22  
 181 41 LIDINGO,  
 SWEDEN

## Switzerland

**SAUG Computer Club (Swiss Amiga User Group)**  
**SAUG**  
**Meeting Place:** Hotel Lowen Widnau  
**When:** 1st Mon, 7:30 PM  
**Interests:** Amiga  
 Contact: E. Frei, Unterdorfstr. 8a  
 (011) 417-172-3313  
**Mailing address:**  
 E. Frei, Unterdorfstr. 8a  
 CH-9443 Widnau  
 Switzerland,

## The Netherlands

**Amiga Systems Foundation**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 (011) 3120-664-3379 BBS  
**Mailing address:**  
 P.O. Box 70348  
 1007 KH  
 Amsterdam,  
 The Netherlands

## Uruguay

**Grupo Amiga**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga training center  
 Contact: Adrian Weisman  
**Mailing address:**  
 Caramuru 5565  
 Montevideo, 11400  
 Uruguay,  
 South America

To register your user group with AC's Guide, call **1-800-345-3360**. If your group is not listed in this edition, call right away to insure a listing in the next guide.

# Vendor Information

**3 Leaf Productions**  
500 Lake Marina Drive  
Suite #214  
New Orleans, LA 70124

**3-Dimensions**  
1845 Doris Dr  
Menlo Park, CA 94025

**80 Track Software**  
P.O. Box 309  
Oceanside, NY 11572

**A+ Development**  
7970 S. Madison Ave.  
Burr Ridge, IL 60521

**A+L AG**  
Daderiz 61  
2540 Grenchen  
Switzerland,  
Albol

**A-R Editions**  
801 Deming Way  
Madison, WI 53717

**A.D.I.**  
3514 Olive Street  
Huntington Park, CA 90255

**Abacus Software**  
5370 52nd Street S.E.  
Grand Rapids, MI 49512

**Absoft Corp.**  
2781 Bond St.  
Rochester Hill, MI 48309

**ACDA Corporation**  
220 Belle Meade Ave.  
Setauket, NY 11733

**ACE-PYX Computer Services**  
Distributed by Time + Space  
P.O. Box 306  
Herts, HP4 3EP  
England

**Access Software, Inc.**  
4910 Amelia Earhart Drive  
Salt Lake City, UT 84116-2837

**Access Technologies, Inc.**  
P.O. Box 202197  
Austin, TX 78720

**Accolade**  
5300 Stevens Creek Blvd.  
San Jose, CA 95129

**Action Graphics**  
4725 Dorsey Hall Dr.  
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**Activa International B.V.**  
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**Active Circuits, Inc.**  
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**Addison-Wesley Publishing Co.**  
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**Adspex Programming**  
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**Advanced Creations Incorporated**  
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**Alabama Computers, Inc.**  
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**Alfa Data**  
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**AMOS America**  
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Willowbrook, IL 60514

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**American Software Distributors**  
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**AmiGrafix, Inc.**  
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**Amiga C Club**  
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Sweden,

**Amiga Centre Scotland**  
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Peeblesshire,  
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**Amiga Exchange of Connecticut**  
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**Amiga Hoy Internacional**  
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**Amiga Tech**  
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**Amigo Business Computers**  
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E. Northport, NY 11731

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**AniGraphics**  
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Ixonia, WI 53036

**Animated Pixels**  
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PO5 3LB United Kingdom

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714 East Angeleno, Unit C  
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**Anti Gravity Products**  
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**Anti Gravity Workshop**  
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**Applied Optical Media Corp.**  
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**Art Instruction Software**  
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**Artistic Software, Inc.**  
55 Selwyn Place  
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Ontario,  
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**ArtoVinjett**  
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S12174 Jhov,  
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**Artworx**  
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**ASCITEC**  
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**ATOP**  
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**AVID, The Amiga-Video Journal**  
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**Black Belt Systems**  
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**Blue Ribbon SoundWorks Ltd., The**  
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**Canadian Prototype Replicas**  
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**Canadian Software Developers**  
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**Co-Tronics Engineering**  
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|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Vendor Information

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

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Ste. 3b  
Altamonte Springs, FL 32714

**Cocheñille Design Studio**  
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Encinitas, CA 92023

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**Comeau Computing**  
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**Commodore Business Machines**  
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**Commotech Computers**  
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**Communication Systems Engineering**  
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**Complications**  
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**Desktop Utilities**  
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**DigiTek Software**  
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**Digital Expressions**  
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**Digital Expressions Research**  
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**Digital Production Labs**  
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**Ditek International**  
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**DKB Software**  
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U.K. address in Vendor list

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**Dreamers Guild**  
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**Dreamworks Video Productions**  
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|--|--|---|---|---|--|--|

# Vendor Information

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

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Australia

## Norris Software

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## Nucleus Electronics, Inc.

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Nobleton  
Ontario,  
Canada L0G 1N0

## Numerical Algorithms Group

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Downer's Grove, IL 60515-  
5702

## O'Reilly & Associates

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Sebastopol, CA 95472

## Ocean of America

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San Jose, CA 95131

## Octree Software, Inc.

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Mountain View, CA 94043

## Odyssey Software

P.O. Box 367  
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## Omicron Video

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Chatsworth, CA 91311

## OmniTrend Software, Inc.

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## On-Line Entertainment

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Leyton  
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E10 6AP England

## Ontological Survey

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Milwaukee, WI 53217

## Optical Coating Laboratory Inc (OCLI)

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High Street  
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England LE17 6BA

## Origin Systems, Inc.

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Austin, TX 78716

## Osborne/McGraw-Hill

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P.O. Box H  
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Long Beach, CA 90809-0309

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13552 Portsmouth Circle  
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## Pacific Digital FX

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## Palomax, Inc.

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Hatfield, PA 19040-3932

## Panasonic Communications & Systems Company

Two Panasonic Way  
Secaucus, NJ 07094

## Pangolin Laser Software

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317-A  
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## Parallel Motion Graphics, Inc.

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## Philadelphia Video Lab, Inc.

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Microtechnologies Pty. Ltd.  
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Kewwick,  
South Australia 5035

## Pictures of Oz-Medienproduktion

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D-5140 Aachen,  
Germany

## Pixel Vision

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Chicago, IL 60626

## Pixelations, Inc.

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## PLAYFIELD!

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## Polygot Software

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## Port Communications Co.

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Ste. 200  
Cupertino, CA 95014

## Positron Publishing

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Omaha, NE 68144

## Post Video Effect

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New York, NY 10128

## PROGRAFIX SOURCE

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## Prakticon, Inc.

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Canada K1E 2N3

## Pre'spect Technics Inc.

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Rte. de Lothiniere  
Dorion, Quebec,  
Canada J7V 2K0

## Preferred Technologies International, Inc.

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## Pregnant Badger Music

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## Premier Software

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## Presenter Promoters

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## Presidio Software

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## Pro-Tronic Systems Ltd.

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Canada V3L 3C5

## Pro-Visual

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Australia

## Progressive Peripherals, Inc.

938 Quail St.  
Lakewood, CO 80215-5513

## Prolific, Inc.

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Buena Park,

# Vendor Information

**Sedona Software**  
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**Sega**  
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San Mateo, CA 94404

**Seikosha America Inc.**  
10 Industrial Avenue  
Mahwah, NJ 07430

**Selectech, Ltd.**  
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**Selectronics Inc.**  
5147 S. 37th Street  
Lincoln, NE 68516

**Sensible Software Solutions**  
4951-D Clairemont Sq.  
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**Service Management Group, The**  
10 Columbia Corporate Center  
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**Seymour-Radix**  
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3631 Colby S.W.  
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Robert Schader

**Sharp Electronics**  
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Mahwah, NJ 07430-2135

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**StarSoft Development Labs**  
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**Team 17 Software**  
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WF1 3AB  
England

**Technical Magic**  
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**TeleGraphics International**  
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**TelePro Technologies**  
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**Unique Design Software**  
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**Unitech Electronics Pty. Ltd.**  
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**Universite' de Liège**  
Professor James K Lindsey  
Faculté d'Economie  
Sart Tilman B31 4000 Liège,  
Belgium

**USA Media**  
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**Venn Software Ltd.**  
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**VersaSoft Corporation**  
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Canada B3G 1G1

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**Video Arts Systems & Technology**  
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Sea Girt, NJ 08750

**Video Bookshelf**  
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Lansing, MI 48910

**Video Computer Resources, Inc.**  
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Chesapeake, VA 23320

**Video Technical Group**  
7 River Bend  
POB 515  
Jasper, AR 72641

**Video Toaster User**  
21611 Stevens Creek Blvd.  
Cupertino, CA 95014

**VideoAdvantage**  
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Avenue  
Mountainside, NJ 07092

**VideoGraphix**  
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RR1, Lot 27, Con 8  
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Georgetown, Ontario,  
Canada L7G 4S4  
Trevor Morecroft

**Vivid Group, The**  
317 Adelaide St.  
West Suite 302  
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Canada M5V 1P9

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**vortex Computersysteme**  
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Australia

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Walnut Creek, CA 94596

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**Waterloo Maple Software**  
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Rohnert Park, CA 94928

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Glenford, NY 12433

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1555 N. Technology Way  
Orem, UT 84057

**Wright Works III, Inc.**  
4 Hudson Road  
Temple, NH 03084

**Xavier Leclercq**  
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OB-7548 Warchin  
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**Xetec, Inc.**  
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**Xiphias**  
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**XYXIS Corp**  
Distributed by Dover  
Research  
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Art Wallner, Tom Lohse

**Zammoth Software**  
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Mansfield, OH 44902  
Mark Zellner

**Zardoz Software**  
12036 Nevada City Highway  
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Grass Valley, CA 95945

**Zen Computer Services**  
2 Silver Birch Grove  
Swinton  
Manchester M27 1FS,  
England

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Product

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

1 Meg x 8 SIMM 134  
 1-Drive-Bay 147  
 1000-Adaptor 147  
 1084S Monitor 140  
 12 A/Clock 134  
 12-inch Interactive Laser CheckDiscs 157  
 14-Piece Tool Kit 157  
 1600GX Graphics Board 136  
 1670 Stand-Alone Interface 140  
 1960 Multiscan Color Monitor 140  
 1988 Amiga Developers Conference Notes 166  
 1989 Amiga Developers Conference Notes 164  
 1990 College League Season Disk 71  
 1st Prize Toasted Fonts 122  
 2-Drive-Bay 147  
 24 Hour Concierge Cabinet/Kiosk 139  
 24B-24 Bit Maps- U.S. 25  
 2D-3D Font Conversion Service 159  
 3 In 1 Football 71  
 3-D Computer Graphics  
 A User's Guide for Artists and Designers—  
 2nd Editi 164  
 3-D Pool 71  
 3-D Vector Objects/Fonts 5  
 3-Demon 5  
 3-Dimensional Video Service 160  
 3-Dimensions  
 3.5-inch Diskette Box 157  
 300 Fonts 32  
 33MHz Fusion-Forty 131  
 34010 Graphics Processor 134  
 35mm Color Slides and Imaging Services 160  
 35mm Slides 160  
 360 dpi Fonts 34  
 3D Professional 5  
 3D Studio Converter 8  
 4-D Boxing with Tru-Motion 71  
 4-Drive-Bay 147  
 4-OP Deluxe 38  
 4-Player Adaptor Cable 135  
 40/4 Magnum 131  
 4th & Inches 71  
 4th & Inches Team Construction Disk 71  
 4x5 and 35mm Color Film Transfer Service 160  
 50 flat SCSI cable x 12-inch 116  
 50-pin flat SCSI cable x 18-inch 116  
 50-pin flat SCSI cable x 6-inch 116  
 500cc Racebike Simulation 71  
 501-s Memory+Clock 123  
 512K Internal Memory 119  
 512K RAM Expansion 119  
 600 Amiga Fonts 32  
 6004-23 134  
 64 Emulator 2 68  
 68020-16 134  
 68030RC-25 134  
 68040RC-25 134  
 688 Attack Sub 71  
 68881-16 134  
 68882-33 134  
 8-UP! (DIP) 119  
 80 Track Public Domain Catalog Disk 105  
 80386 20-MHz Bridgeboard Enhancer 133  
 8MB Memory Board 119  
 A  
 A Bun For Barney 151  
 A Christmas Carol 43  
 A Flight Simulator Odyssey 162  
 A Long Hard Day on the Ranch 151, 41  
 A Twist of Fate 9  
 A\*Video Professional Font System 1.0 122  
 A-10 Tank Killer Version 1.5 71  
 A-Max II 133  
 A-Max II Plus 133  
 A-Sound 2.0 35  
 A-Sound Elite 35  
 A-Talk III 109  
 A-Train 71  
 A.D.A.P.T. 68040 Assembler 61  
 A1011 3.5 Floppy 113  
 A1200 SCSI/RAM+ 131  
 A1230 Turbo/4MB 131  
 A2000 Bridgeboard Speaker 133  
 A2000 EGS-110/24 137  
 A2000 G-Force 040 131  
 A2000-Combo030 25/25/1 131  
 A2000-Combo030 40/40/4 131  
 A2010 3.5-inch Internal Floppy 113  
 A2058 RAM Expansion Board 119  
 A2091 118  
 A2232 142  
 A2300 Genlock 128  
 A2386SX Bridgeboard 133  
 A2630/4-68030 Processor Board 131  
 A3000 PAL/NTSC Switch 133

A3000 Power Retrofit 124  
 A3000/Toaster 168  
 A3000T-040/200 134  
 A3010 Amiga Internal Floppy Drive 113  
 A3640 Amiga 68040 Processor Board 131  
 A4000-030/120 135  
 A4000-040/120 135  
 A500 Detachable Keyboard Housing 137  
 A500 GVP/PC286 131  
 A500 HD 150DL Power Supply 133  
 A500 Plus II  
 A500 Chip RAM 119  
 A500 Thor Replacement Power Supply 133  
 A500-DESKTOP-CASE 147  
 A500-HD840/120 114  
 A500-HD840/213 114  
 A500-TOWER-CASE 147  
 A500/A2000 Technical Reference Manual 166  
 A520 RF Modulator 127  
 A530 Turbo 113  
 A570 CD-ROM Drive 150  
 A600HD40 135  
 A601 RAM Expander 123  
 AB-Zoo 43  
 AB20 Internet Amiga Archive 111  
 ABCgames 43  
 ABC's 43  
 Abyss 71  
 AC/BASIC 1.3 61  
 AC/FORTRAN 61  
 Accounts Payable 57  
 Accounts Receivable 57  
 AccuPoint™ Accessory Pressure Pen 137  
 AccuPoint™ TCS Software Kit 137  
 ACE/Automated Catering Environment 56  
 ACS Harlequin 32 Bit FrameBuffer 127  
 ACS Harlequin 32-Bit Graphics Package 15  
 ACS Harlequin Genlock 128  
 ACS Harlequin Genlock with Composite 128  
 ACS Harlequin Workstation 124  
 Action Fighter 71  
 Action Replay 149  
 Action Stations 71  
 Action Stations Scenario/Utility Disk 71  
 ADAPS 2111-16 DSP Board 146  
 Adapter board 116  
 AdClips™ Volume One 19  
 Address It! 58  
 AdIDE/40 115  
 AdIDE/40 Kit 115  
 AdIDE/44 Kit 115  
 Adjustable Copy Clip With Line Guide 157  
 Adjustable Foot Rest 157  
 AdRAM 2080 119  
 AdRAM 505 119  
 AdRAM 510 Plus 119  
 AdRAM 540 119  
 AdRAM 560D 119  
 AdSCSI 2000 115  
 AdSCSI 2080 115  
 AdSpeed 131  
 AdSpeed/IDE/40 131  
 AdSpeed/IDE/40 Kit 131  
 AdSpeed/IDE/44 Kit 131  
 Advanced AmigaBASIC 165  
 Advanced Military Systems 151  
 Advanced String Library 64  
 Advanced Techniques with DeluxePaint IV 168  
 Adventure Game Hint Books 162  
 Adventures in Math 50  
 Adventures of Willy Beamish 71  
 AdVISION™ 130  
 Aegis Amiga Graphics Starter Kit 3  
 Aegis Animagic 11  
 Aegis AudioMaster IV 40  
 Aegis Draw 2000 V2.0 13  
 Aegis Modeler 3D 5  
 Aegis Pro/Motion 8  
 Aegis Sonix 35  
 Aegis SoundMagic 145  
 Aegis SoundTrax I and II 39  
 Aegis SpectraColor 15  
 Aegis SpectraColor for HAM-E 15  
 Aegis Videoscape 3D with Pro/Motion 5  
 Aegis VideoTitler 3D 7  
 Aegis Visionary 39  
 Aesop's Fables 43  
 After Burner by Sega 71  
 AG-7650 126  
 AG-7750 126  
 Agony 71  
 Air A1000 113  
 Air A1010 113  
 Air A2010 113  
 Air A3020 113

Air A5010 113  
 Air Force Commander 71  
 Air IBM2000HD 113  
 Air IBM3000HD 113  
 Air ROM matic 147  
 Air Support 71  
 Air Traffic Controller 147  
 Airball 71  
 AirLink 3.0 124  
 AirMouse Remote Control 156  
 AKC-1000 Keyboard Connector 138  
 AKC-500+ Parallel Keyboard Connector 138  
 Aladdin 4D 19, 5, 9  
 Aladdin Lighting Control System 149  
 Aladdin Model Makers Dimmer Pack 149  
 Aladdin Multimedia Dimmer Rack 149  
 Aladdin Production Dimmer Rack 149  
 Alan-FS 141  
 ALF-44DISK-E 117  
 ALF-44DISK-I 117  
 ALF-88DISK-E 117  
 ALF-88DISK-I 117  
 ALF-FLASH-DISK-EXT 113  
 ALF-FLASH-DISK-INT 113  
 ALF-PC-SCSI 133  
 ALF-R44-Disk 117  
 ALF-R88-Disk 117  
 ALF-STR-Cartr-150 117  
 ALF-STR-Cartr-250 117  
 ALF-STR-Cartr-GIGA 117  
 ALF-STR-GIGA-E 117  
 ALF-STR-GIGA-I 118  
 ALF-STR230-E 118  
 ALF-STR230-I 118  
 ALF-STREAMER-Software 67  
 ALF-TOOLS 66  
 ALF1-DE2-Seagate 114  
 ALF1-RE1-Seagate 114  
 ALF1-RE5-Seagate 114  
 ALF2-AF2-SCSI 115  
 ALF2-AFN1-SCSI 115  
 ALF2-AFN5-SCSI 115  
 ALF2-AH1-SCSI 115  
 ALF2-AH5-SCSI 115  
 ALF2-RE1-MFM 114  
 ALF2-RE2-MFM 115  
 ALF2-RE5-MFM 115  
 ALF3-AF2-SCSI 118  
 ALF3-AH5-SCSI 118  
 Alfa Scan Plus 144  
 Algebra I 50  
 Algebra Word Problems 50  
 Alien Syndrome by Sega 72  
 All About America 50  
 All About Whales (story diskette) 53  
 Altered Beasts 72  
 Altered Destiny 72  
 AlterImage Video F/X 19  
 AMAS 145  
 AMAS 2 145  
 Amateur Radio Software Disks 104  
 Amazing Spider-Man 72  
 Ambassador 68  
 Amega-FFT C Package 61  
 Amega\_GPIB 145  
 AmegaView™ V2.1 64  
 Amega 72  
 American AMOS 61  
 American History Adventure 50  
 American Vista Multimedia Atlas 151  
 AMI-X10 107  
 Ami...Alignment System 66  
 Amidi Serial Vector Library/ MIDI Sysex Lib 39  
 Amiga 1000 Schematics and Expansion Specifications 166  
 Amiga 1200 or 1200HD/40 135  
 Amiga 2000C 135  
 Amiga 3000-25/50 or 25/100 135  
 Amiga 3000T-25/100 or 25/200 135  
 Amiga 600 135  
 Amiga Animation and Graphics Services 160  
 Amiga Arcnet Network Adapter (A2060) 141  
 Amiga Artists on the Air 169  
 Amiga Assembly Language Programming 165  
 Amiga C Encyclopedia 165  
 Amiga C for Beginners 165  
 Amiga Client Software for Novell NetWare 141  
 Amiga COMAL 61  
 Amiga Desktop Video, 2nd Edition 167  
 Amiga Desktop Video Power 167  
 Amiga Desktop Videography 167  
 Amiga Diagnostician 166  
 Amiga Embroidered Crest 157  
 Amiga Encyclopedia On A Video 168  
 Amiga Ethernet Network Adapter (A2065)

141  
 Amiga File Transfer to Video Tape 160  
 Amiga Flash Chat 109  
 Amiga Graphic Services 160  
 Amiga Graphics 168  
 Amiga Graphics Reference Card 164  
 Amiga Hardware Reference Manual, 3rd Ed. 165  
 Amiga Instruction Course 168  
 Amiga Logo 61  
 Amiga Mouse 138  
 Amiga Multi-User Software 66  
 Amiga Music for Video, Volume One 168  
 Amiga Oberon 61  
 Amiga Professional Services 159  
 Amiga Programmer's Handbook, Vol. I, Second Edition 165  
 Amiga Programmer's Handbook, Vol. II 165  
 Amiga Programmer's Quick Reference 165  
 Amiga ROM Kernel Reference Manual Devices, 3rd Ed. 165  
 Includes and Autodocs, 3rd Ed 165  
 Libraries, 3rd Ed. 165  
 Amiga Sings! 162  
 Amiga Sings! Again 162  
 Amiga Smart Port & SmartPortCal Program 135  
 Amiga Text Editor Quick Reference 165  
 Amiga Touch Driver 139  
 Amiga Training and Support 159  
 Amiga UnMouse 139  
 Amiga User Interface Style Guide 165  
 Amiga Video Terminal (AVT) System 136  
 Amiga Wiz 6-Button Cursor 137  
 Amiga-Based Animation and Graphics 160  
 AMIGA-SF 11  
 Amiga/CDTV Consulting 127  
 Amiga/Motorola Software Development Service 159  
 Amiga/MouseStick 135  
 AmigaBASIC Inside & Out 165  
 AmigaDOS 2.1 Upgrade Kit 61  
 AmigaDOS Inside & Out Revised 166  
 AmigaDOS Manual, Third Edition 162  
 AmigaDOS Reference Guide, Fourth Edition 162  
 AmigaDOS v2.0 Native Developer Update 64  
 AmigaMail Vol. 1 170  
 AmigaMOP Test Management Package Version 2 65  
 AmigaTeX 29  
 AMIGAtalk 104  
 AmigaVision Professional 104  
 AmiGen 128  
 AmiGen Video Titling Kit 128  
 Amigo MultNet 141  
 AmigoArcNet 141  
 AmigoEtherNet 141  
 AmigoModemNet 109  
 AmigoNet 141  
 AMIKIT 1.3 An introduction to the Workbench and CLI 167  
 AMIKIT 2.0 An introduction to the Workbench and CLI 167  
 AmiLink 2.0 Pro 19  
 AmiLink/CI AB-Roll 19  
 AmiLink/CI Cuts-Only 19  
 AmiLink/E.S.P. 19  
 AmiLink/O.L.G. 19  
 AmiLink/REMOTE! 19  
 AmiLink/VPT Pro 19  
 AmiTote 2000 157  
 AmiTote 3000 157  
 AmiTote 500 157  
 AmiTote 600 157  
 AmiTote Baby 157  
 AmiTote Monitor 157  
 AmiVideo Fonts 2.0 122  
 AmiVR1 150  
 AmiVR2 150  
 AMIzoo 30  
 Ammeg I A1000 119  
 Amnios 72  
 AMOS PD 61  
 AMOS Professional 61  
 AMOS TOME 61  
 AMPlot2 18  
 AMT 59  
 Amy's Fun-2-3 Adventure 41  
 Amy's Play-B-C Time 41  
 An American Tail 72  
 Analogies I 54  
 Analogies II 54  
 Analogue Joystick Adaptor 135  
 Analytic Art 63  
 AnaMouse 156  
 Anim Workshop 3

# Product Index by Product

Animals In Motion 151  
 Animated Action Disks 25  
 Animated Coloring Book 151  
 Animation 101 168  
 Animation Journeyman Starter Kit v1.1 12  
 Animation Station 12  
 Animation Video, Volume One 168  
 Animation Video, Volume Three 168  
 Animation Video, Volume Two 168  
 Animations by Kati 56  
 Animatrix Modeler v1.2 5  
 Animax™ Animation Controller Card 19  
 AnimFonts 5 32  
 AniMotions 6  
 Antarctica 48  
 Anti-A 23  
 Anti-Virus 69  
 Antic's 3-D Design Library™ 6  
 Antonyms 46  
 APL68000 LEVEL I 61  
 APL68000 Level II 61  
 Apilot Library 18  
 APLOT2D 18  
 Apogee 3D Fonts Collection 122  
 Apprentice 72  
 AProDRAW® 12 x 12 inch Graphics  
 Tablet Package 137  
 AQ4882A Kit 145  
 Aquaventure 72  
 Arachnophobia 72  
 Arcade Action Pack 72  
 Arcade Action Pack 2 72  
 Archi-Pro 3D 6  
 ARExx 61  
 ARExxDB v2.0 58  
 Arithmetic 51  
 ARM 1000 149  
 Armour-Geddon 72  
 ARNIS 141  
 Art Department Professional 2.3 25  
 Art Department Professional Conversion  
 Pack 25  
 ART DISKS 11  
 Art Disks for Fashion 3  
 Art Expression 3  
 Art Gallery I & II 30  
 Art Instruction Software  
 Principles of Composition 4  
 Arthur  
 The Quest for Excalibur 72  
 Artist Studio 1 Female Nudes 16  
 ArtisticCLIPS 30  
 Artura by Arcadia 72  
 AS225 Network Communications  
 Software 141  
 AS260 Amiga Clips, Volume 1  
 Sound Effects 39  
 AssemPro 61  
 Astrology 106  
 Astronomy Disks 53  
 Atomino 72  
 AU-901 CLAS Computerized Lesson  
 Authoring System 54  
 Audio Engineer Plus 146  
 Audio Gallery 47  
 Audio Gallery-Chinese 47  
 Audio Gallery-ESL/Oriental 47  
 Audio Gallery-ESL/Romance 47  
 Audio Gallery-French 1.1 48  
 Audio Gallery-German 48  
 Audio Gallery-Italian 48  
 Audio Gallery-Japanese 48  
 Audio Gallery-Korean 48  
 Audio Gallery-Portuguese 48  
 Audio Gallery-Russian 48  
 Audio Gallery-Spanish 48  
 AudioLink™ 146  
 Audiotools for the Amiga 64  
 Audition 4 38  
 Aural Intervals 40  
 Aussie Joker Poker by Joker Software  
 International 72  
 Australian Graphic Atlas 3.0 (with player  
 program) 49  
 AutoCAD DXF Converter 8  
 Autoduel 73  
 Autogram C 61  
 AutoKick 66  
 AutoLink 125  
 AutoPaint 20, 3, 121  
 AutoPrompt 20  
 Autumn Colors 16  
 AV Notes 41  
 AV-8B Harrier Assault 135  
 AVideo 12 14  
 AVideo 24 14  
 Avocet 68000 Family Assembler 61  
 Award Maker Cartoon Library 33  
 Award Maker Education Library 33  
 Award Maker Plus 33  
 Award Maker Sports Library 33  
 Awesome 73

Awesome Arcade Action Pack 73  
 AX 1000/AX 2000 RAM Board 119  
 Aztec C68K/Am 5.2 d-Developer System  
 61  
 Aztec C68K/Am 5.2 p-Professional System  
 61  
**B**  
 B.A.D. 66  
 B.A.T. (Bureau of Astral Troubleshooters)  
 73  
 B.E.S.T. Business Management V3.0 57  
 B.E.S.T. General Ledger 57  
 Bach Songbook 39  
 Back to BASIC 165  
 Back to Basics 51  
 Back to the Future II 73  
 Back to the Future III 73  
 Back-Up 157  
 Background Bits 24 121  
 Background Bits 24-Graduated Backdrops  
 25  
 Background Rhythm Patterns 2.0 39  
 BACKGROUNDUNDER  
 The Videotape 170  
 Balance of Power 73  
 The 1990 Edition 73  
 Balancing Act 51  
 Bandit Kings of Ancient China 73  
 Bane of the Cosmic Forge 73  
 Banx 5.25-Inch Diskette Storage Box 157  
 Barbarian II 73  
 Barney Bear Goes Camping 54  
 Barney Bear Goes to School 151, 54  
 Barney Bear Goes to Space 54  
 Barney Bear Goes to the Farm 54  
 Barney Bear Meets Santa Claus 54  
 BarPro/A Version 3.0 56  
 BarPro/B Laser Gun 138  
 BarPro/B Wand 139  
 Bars&Pipes 35  
 Bars&Pipes MusicWare Collection 35  
 Bars&Pipes Professional 35  
 Bars&Pipes Professional 2.0 35  
 Bars&Pipes Professional V1.0e 35  
 BASEboard 119  
 Basement Recordings 159  
 Basic Construction Set 2.6 61  
 BASICFootball 73  
 Basketball 151  
 Basketball-The Pro Game 73  
 BattDisk 119  
 Battle Chess 151, 73  
 Battle Chess II  
 Chinese Chess 73  
 Battle Command 73  
 Battle Isle 73  
 Battle Squadron 73  
 Battlehawks 1942™ 74  
 Battlestorm 151, 74  
 BattleTech  
 The Crescent Hawk's Inception 73  
 Baud Bandit 2400 140  
 Baud Bandit MNP/Level 5 Plus 140  
 Baud Bandit v1.5 109  
 BCD-2000A 126  
 BCD-5000 126  
 Beast III  
 Out of the Shadow 74  
 BeBop 'N Drop 74  
 Beetle Mouse 138  
 Beginning German 48  
 Benchmark Modula-2 62  
 Best Amiga Tricks & Tips 165  
 Bevel Fonts 3D 7  
 Beyond 2400 A.D. 74  
 Beyond Backgrounds - Pro Set 25  
 Beyond Dark Castle 74  
 Bible Files On Disk 107  
 Bible Search 107  
 Bible Words 74  
 BibleReaderPro! 107  
 BibleScholar! v2.0 108  
 Big Business 74  
 Big Rig Set 6  
 Bigfoot 2000 149  
 BIGFOOT Power Supply 149  
 Bill & Ted's Excellent Adventure 74  
 Bill Elliott's NASCAR Challenge 74  
 Bill's Tomato Game 74  
 Bingo Parlor 74  
 Biology by Martha College Edition 43  
 Biology by Martha High School Edition  
 43  
 Biometrics 108  
 Birds 'N' Bees 43  
 Birds of Prey 74  
 BITPiX—Series One 25  
 BITPiX—Series Two 25  
 BIX 159  
 Black Box Broadcast Quality Graphics  
 System 14  
 Black Crypt 74  
 Black Workstation 147

BlackBox 50  
 Blackjack Academy 74  
 Blitzkrieg at the Ardennes 74  
 Blockout 74  
 Blood Gases 49  
 Blue Angels 74  
 BME(Hit-Map Editor) 29  
 Board Master v1.19 13  
 BOING! Jacket 157  
 BOING! Mouse 138  
 Boom Box 74  
 Boppin' 74  
 BR-S811U 126  
 Bravo Romeo Delta 75  
 Breach 75  
 Breach 2 75  
 Bread & Butter Fonts 122  
 Break'n'Bash 75  
 Brick-ette 156  
 Bride of the Robot 75  
 Bridge 6.0 75  
 Bridgeboard AnyRam Card 133  
 Bridgeboard Combo Drive 133  
 Bridgeboard Math Enhancer 134  
 Bridgeboard Monitor Switch Kit 134  
 Bridgeboard Multifunction Board 134  
 Brilliance 15  
 British Open Courses 75  
 Broadcast Backgrounds 23  
 Broadcast Fonts 3D 7  
 Broadcast Titler 2 20  
 Broadcast Titler 2 Font Enhancer 20  
 Broadcast Titler 2-Font Pack 2 23  
 Broadcast Titler 2/Super Hi Res 20  
 Broadcast Titler Font Pack 1 23  
 Bubble Ghost 75  
 Buck Rogers  
 Countdown to Doomsday 75  
 Matrix Cubed 75  
 Buddy System for AmigaDOS 34  
 Buddy System for DeluxePaint III 34  
 Buddy System for DeluxePaint IV 34  
 Buddy System for Imagine 2.0 34  
 Buddy System for PageStream 34  
 Budgeteer 57  
 Budokan 75  
 BusExpander™ 142  
 Business Card Maker 56  
 Business Front 58  
 Business Statistics 60  
**C**

C Language Library 65  
 C-Light 5  
 C-ZAR Rev. 2.4 38  
 CA-23-MF/3 134  
 CA-23-MF/6 134  
 CA-4920 SCSI 2 Drive 134  
 Cables & Switch Boxes 157  
 Cabrio 6  
 Caesar 75  
 Caged Artist D110 Editor 38  
 CAL 032 Superlink 141  
 CAL 042 Superlink 142  
 Calculus 51  
 California Challenge 75  
 California Games 75  
 California Games II 75  
 Caligari 2 5  
 Caligari 24 5  
 Caligari Broadcast 3.0 5  
 Campaign 75  
 CanDo BBS Disks 1,2,3,4&5 109  
 CanDo Pro Pak 1 v2.0 104  
 CanDo Quickie or Complex 159  
 CanDo T-Shirt 157  
 CanDo Test Drive 104  
 CanDo v2.0 105  
 Canon BJ300/330 Printer Driver 142  
 Canon BJC800 Color Printer Driver 142  
 Canon FP510 Color InkJet Printer Driver  
 142  
 Canvas v1 30  
 CAPS XL 139  
 Cardiac Arrest! 49  
 Carl Lewis Sports Challenge 75  
 Carlos Monte's 7-Card Noopekie 75  
 Carlos Monte's Blackjack/Solitaire 75  
 Carlos Monte's High-Rolling Craps 75  
 Carpal Eez 158  
 CASA™ 104  
 Casino Fever 75  
 Castle of Dr. Brain 75  
 Castles 76  
 CCh 62  
 CD-REMIX Version 2 151  
 CD-ROM's 159  
 CD1200 Trackball Controller 156  
 CD1300 Video Genlock Cards 156  
 CD1400 CD Caddies 156  
 CD1500-CDTV Professional Pack 156  
 CDKC-1000 Keyboard Connector 156  
 CDROM-FS 150  
 CDTV Laser Disk Storage Box 156

CDTV MiG-29 Fulcrum 151  
 CDTV-CD1000 151  
 CDx Disk Set 111  
 CDx-650E 150  
 CDx-650I 150  
 CDx-650LE 150  
 CDx-Driveless 150  
 Celebrity Cookbook With Expandable  
 Recipe Filler Ver 105  
 CellPro Version 1.1 12  
 Celtic Legends 76  
 Centerfold Squares 76  
 Centurion  
 Defender of Rome 76  
 Challenge Golf 76  
 Champions 76  
 Champions of Kryn 76  
 ChannelVision Cable TV Systems 130  
 Chaos in Andromeda 152, 76  
 Chaos Strikes Back 76  
 Chaos Strikes Back! Adventurer's  
 Handbook 162  
 Charts&Graphs 56  
 Check Ledger 58  
 Checkmate 76  
 Chinese Chess, The Science of War 76  
 Chip's Challenge 76  
 Choromax 49  
 Christmas 3D Objects 6  
 ChromaKey+ 128  
 ChromaPaint 15  
 Chuck Yeager's Advanced Flight Trainer  
 V2.0 76  
 CIA Guard 133  
 Cinderella  
 International Version 41  
 Cinderella-The Original Fairy Tale 41  
 Cine Back for FreezeFrame Film Recorder  
 12  
 CineLink™ 8  
 CineMorph 25  
 Cinnamon Toast Fonts, Volumes 1 and 2  
 122  
 Circle of Success 76  
 Civil War Scenario 76  
 Clarity 16 146  
 Classic American Courses 76  
 Classic Amiga Adventures 76  
 Classic Board Games 152, 76  
 CLASSIC CONCEPTS 161  
 Clever & Smart 76  
 ClickFAX v2.05 136  
 CLM Series infra-red (IR) Cordless Mouse  
 138  
 Clock Works 43  
 Clown-O-Mania 76  
 Clue Master Detective 76  
 Cluster Analysis 108  
 CNet Amiga v2.20 Electronic Bulletin  
 Board System 109  
 Code Team! 49  
 CODENAME  
 ICE MAN 75  
 College Aptitude Reading Comprehension  
 Exercises 55  
 College Football USA 76  
 College League Option Module 77  
 Color Clip Art Vol.I-General 30  
 Color Clip Art Vol.II-Holiday 30  
 Color Clip Art Vol.III-Animals 30  
 Color Clip Art Vol.IV-General 30  
 Color Splitter 124  
 Coloring Disk. See 1-Alphabet; 2-Majelix  
 ColorPage Plus Printer 142  
 ColorPage Printer 142  
 ColorRight w/ImageMaster PostScript RIP  
 & 16M 142  
 Colossus Chess X 77  
 Comal Users Group, U.S.A., Ltd.  
 Amiga COMAL 61  
 Combat '42 77  
 Combat Classics 77  
 Combat Course 77  
 Comeau C++ 3.0.1 With Templates™ 62  
 Comic Art-Funny Figures 30  
 Comic Art-Science Fiction 30  
 Comic Art-Super Heroes 30  
 Comic Setter 29  
 Commissioner's Disk 77  
 Compact Disc Handbook, 2nd Edition  
 166  
 Complete Color Solution 124  
 Complex Hooks Disk 18  
 Component Retrieval Service 159  
 Comports 8, RS-232 Communications  
 Interface 142  
 Composer Quest 152, 35  
 Computek Ink Refills 144  
 Computek Paper and Transparency 144  
 Computer Imaging Systems 135  
 Computer Paintings 13  
 Computer Reference Wall 158  
 Computer Third Reich 77  
 Computerized Learning Application  
 Software System, 41

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Product

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Concept 2000 Keyboard 138  
 Condensed Fonts 32  
 Conflict in the Middle East 77  
 ConMan 65  
 Conquests of Japan 77  
 Conquests of Camelot 77  
 Conquests of the Longbow  
 The Legend of Robin Hood 77  
 Contact 2.0 58  
 Contract Programming Services 62  
 Contraption Zack 77  
 ConvertAplot 18  
 CopyCode 104  
 Copyist Apprentice 35  
 Copyist DTP 35  
 CoreWars 53  
 Corish's Computer Games Guide 3rd Edition 162  
 Corporation 77  
 Cortex 512K RAM Expansion for A500 119  
 Cortex RMB RAM Expansion for A1500/A2000 119  
 Cortex RMB RAM Expansion for A500/A1000 119  
 Cosmostruction 77  
 Couples in Embrace 30  
 Couples in the Act of Love 16  
 Court Side College Basketball 77  
 Courtroom 77  
 Covergear 158  
 Covert Action 77  
 CP-941 Capitalization 46  
 Crackdown 77  
 Craps Academy 77  
 CrashCorrector—Amiga Watchdog 139  
 Crayons And Rainbows 44  
 Crazy Cars 78  
 Creativity Kit 35  
 Cribbage King/ Gin King 78  
 Crime Does Not Pay 78  
 Cross Poker 78  
 CrossDOS Version 5 68  
 CrossPC 68  
 Crossword Construction Set 41  
 Crusaders of the Dark Savant 78  
 CSI 5500-BOING! Optical Mouse 138  
 Curse of the Azure Bonds 78  
 Custom Animation 160  
 Custom PostScript® Fonts 23  
 CVS Media Device Controllers 25  
 Cyber Empires 78  
 Cyberblast 78  
 Cybercon III 78  
 CyberEdit V1.0 20  
 CyberRace 78  
 Cyberscape 105  
 Cyberspace 78  
 Cyclemuscles 3  
 CygnusEd Professional 3.0 64  
 Cyrillic Alphabets 2.3 48  
 CZ Rider 38

## D

D-23P 134  
 D-23S 134  
 D.U.D.E. 66  
 Daily Double Horse Racing 78  
 Damocles 78  
 DARK CENTURY 78  
 Dark Queen of Krynn 78  
 Dark Seed 78  
 Darkman 78  
 Das Book 20  
 Data Acquisition Unit 145  
 DataEasy v1.4 56  
 DataFlyer 119  
 DataFlyer 500 Power Supply 133  
 DataFlyer Rail Kit 133  
 DataFlyer SCSI Pass Through 134  
 DataPlot v 2.1 18  
 DataStation-A/D + D/A + TIMER v2.0 145  
 DataStation-A/D+DIO+TIMER v2.0 145  
 DataStation-A/D+TIMER v2.0 145  
 DataStation-D/A v2.0 145  
 DataStation-D/A+DIO v2.0 145  
 DataStation-D/A+DIO+TIMER v2.0 145  
 DataStation-D/A+TIMER v2.0 145  
 DataStation-DIO Digital Input/Output v2.0 145  
 DataStation-DIO+TIMER v2.0 145  
 DataStation-FC v2.0 145  
 DataStation-Terminal Strip & Cabling 145  
 DataStation-TIMER v2.0 145  
 Datastorm by Visionary Limited 78  
 Daudio 35  
 Day of the Viper 79  
 DAY-2-DAY Professional 58  
 Days of Thunder 79  
 dBMAN V 59  
 DCTV 125  
 DCTV RGB Converter 127  
 DCTV—A Guided Tour 168  
 DD524 Digital Interface Card 146

Death Knights of Krynn 79  
 DEB™ 2000 127  
 Decimal Dungeon 51  
 Decision Analysis Techniques 108  
 DEEP SCAN BURST NIBBLER 67  
 Defender of the Crown 152  
 Deja Vu  
 A Nightmare Comes True 79  
 Deja Vu II  
 Lost in Las Vegas 79  
 Deja Vu Licenseware 104  
 Deluxe MIDI INTERFACE for the AMIGA 500/1000/2000/3 146  
 Deluxe Music Construction Set 35  
 Deluxe Paint IV AGA 15  
 DeluxePaint III with Animation 15  
 DeluxePaint IV 15  
 DeluxePaint IV Video Guide 168  
 DeluxeVideo III 20  
 Demographics 49  
 Demoniak 79  
 Dennis Palumbo Font Disks 1-5 32  
 Dennis Wheatley's Herewith the Clues 152  
 Denny Atkin's Best Amiga Tips and Secrets 162  
 Desert Storm Scenario 79  
 Design 3D 5  
 Designasaurus 41  
 Designer Databases-Business I 58  
 Designer Databases-Home I 58  
 Designing and Building Your Desktop Video System 168  
 Designing Knits on Your Home Computer 164  
 DesignWorks 29  
 DeskJet 142  
 DeskJet PLUS 142  
 Desktop Budget 58  
 Desktop Images Instructional Videotape for Toaster 168  
 Desktop Library CD-ROM 111  
 Desktop Video  
 A Guide to Personal and Small Business Video Produ 167  
 Desktop Video and the Amiga Computer 170  
 Desktop Video for Profit 167  
 Desktop Video Graphics Service 161  
 Desktop Video, Volume I 168  
 Desktop Video, Volume II 168  
 Desserts Cookbook 105  
 Developer System with Source Debugger and Library S 62  
 Developer's Toolkit 65  
 Developing Writing Skills 46  
 DFL-Demand File Loader 69  
 Diabetic Diet Manager 49  
 Dick Tracy  
 The Crime Solving Adventure 79  
 Digi-Droid 125  
 DIGI-Mice 66  
 Digi-Paint 15  
 Digi-Paint 3 15  
 DIGI-SOUND Stereo Audio Digitizer 146  
 Digi-View Gold 4.0 144  
 Digi-View MediaStation 126  
 Digifaces 1,2,3 9  
 DigiScope Plus 145  
 Digital Arts Converter 8  
 Digital Collage 161  
 Digital Dungeon 3  
 Digital Dungeon Expansion Set 1  
 Future Days 3  
 Digital EditMaster 125  
 Digital Orchestra 39  
 Digital Sound Studio (DSS8) 35  
 Digital Studio 36  
 DigiWorks 3D 8  
 Dinosaurs for Hire 152  
 DinoWars 79  
 Director Tutorial Video 168  
 Directory Opus v4.0 69  
 Discovery 2.0 41  
 Discovery—In the Steps of Columbus 79  
 Discrete Mathematics 51  
 disED 112  
 Disk-Master 69  
 Diskmaster II 66  
 DiskKwik 2.0 66  
 Display Enhancer Board (A2320) 124  
 Display Maker 63  
 disX 39  
 Distant Armies 79  
 Distant Suns 4.2 41  
 Distant Suns Expansion Disk-Big Stars on Demand 53  
 Distant Suns Expansion Disk-Deep Sky Objects 53  
 Distant Suns Expansion Disk-Sky Map Level 1 53  
 Distant Suns Expansion Disk-Yale Bright Catalog 53  
 Distant Suns-Space Visions 41  
 DJ Fonts Volume II 32

DJFonts Volume I 32  
 DJHelper 66  
 DKB 2632 123  
 DLG Professional BB/OS 109  
 DM Music 146  
 DMI Floptical 116  
 DMI Resolver B Graphics Co-Processor 14  
 DMI Resolver C Graphics Co-Processor 15  
 DMI Resolver Graphics Co-Processor 15  
 DMI020 137  
 DNA Music 40  
 Doctor Ami... 66  
 Dojo Dan 79  
 Dominion 152  
 DOS-2-DOS 3.5 68  
 Dots 2 50  
 Double Dragon II  
 The Revenge 79  
 DoubleTalk 2000/3000 142  
 DoubleTalk 500 142  
 Doug's Color Commander 2.0 25  
 DP IBM Analog Interface 135  
 DP IBM Bus Mouse Interface 138  
 DPS Personal TBC II 129  
 DPS Personal V-Scope 124  
 DPS-220 TBC/Synchronizer 129  
 DPS-230 Component Transcoding TBC 129  
 DPS-295 TBC/Transcoder 129  
 DQ-TACO Toaster Animation Controller 124  
 Dr. Doom's Revenge 79  
 Dr. Plummet's House of Flux 79  
 Dr. Term Pro 109  
 Dr. Wellman 152  
 Dragon Wars 79  
 Dragon's Lair 79  
 Dragon's Lair II  
 Time Warp 79  
 Dragon's Lair III  
 The Curse of Mordread 79  
 Dragons of Flame 79  
 Dragonscape 79  
 DragonStrike 79  
 DRAMs and Video RAMs 134  
 DrawingBoard II Pressure Model / AccuPoint™ 137  
 DrawingBoard II Standard Model / AccuPoint™ 137  
 DrawingPad / AccuPoint™ 137  
 DRD Toolkit with Dynamic Designer for DRD v1.0 62  
 Drum Studio 39  
 Dual Serial Board 142  
 DUCKTALES  
 The Quest for the Gold 78  
 Dungeon Master 79  
 Dungeon Master Adventurer's Handbook 162  
 Dungeon Master Survival Kit 80  
 Dungeon Master-The Album 162  
 Dunlap Utilities 66  
 DWEL 38  
 DX Heaven 38  
 DynaCADD 2.04 13  
 DynaCADD 2D 3  
 Dynamic Designer for DRD v1.0 63  
 Dynamic Relative Display Toolkit v1.0 63

## E

E-Z FM Synthesizer 36  
 Eagle's Rider 80  
 Earl Weaver Baseball  
 Hall of Fame League 162  
 Earl Weaver Baseball Data Disk 80  
 Early Math MA-902 44  
 Easy AMOS 64  
 Easy Guide to Pro Video Gold 168  
 EasyClipArt! Christian Images 16  
 EB920 148  
 EbonStar 80  
 Echelon 80  
 eclips 1 EC1-AME 32  
 eclips 1 EC1-AMP 32  
 eclips 2 EC2-AME 32  
 eclips 2 EC2-AMP 32  
 Econometrics 108  
 ED/SS 54  
 ED/SS-909 Social Studies Vocabulary 54  
 EDL Archiving Module 25  
 EdMark Touch Window 139  
 Education Tutorial Software  
 Japanese 1 48  
 Educational Consulting 159  
 Elan Performer 2.0 20  
 Electric Thesaurus 106  
 Elf 80  
 Eliminator 80  
 Elvira II  
 The Jaws of Cerberus 80  
 Elvira, Mistress of the Dark 80  
 Emergency Languages 152

EModem Ethernet Driver for InfoChannel 109  
 EnCopy 67  
 English Composition Skills 46  
 Enhanced Sharp JX-730 Printer Driver with palettes, 143  
 Enhanced Tektronix ColorQuick Printer Driver with p 143  
 Enhanced Xerox 4020 Printer Driver with palettes or 143  
 ENLAN Network System 107  
 ENLAN-DFS 107  
 Epic 80  
 Eprommer 149  
 Epson FX Printer Driver 34  
 EPSON Scanner Driver 144  
 Ergostick 135  
 ES-600C scanner 144  
 ES-800C scanner 144  
 Escape from Singe's Castle 80  
 ESDI Model 1558-15 113  
 ESDI Model 1558-15 113  
 ESDI Model 1650 113  
 Espana Games 92 80  
 Esperanto PS version 2 32  
 ESQ-1 Caged Artist 38  
 ESQapade 39  
 Essence 8  
 Europe 1992 104  
 European Challenge 80  
 Everything You Need To Know About PRO VIDEO GOLD 168  
 Evoker! 1.0 20  
 EX Drivers 109  
 excellence! v3.0 28  
 Exotic Cars Volumes I & II 6  
 EXP-1000 148  
 EXP-8000+ w/2MB 120  
 Experimental Statistics 108  
 Expert 4D jr 3  
 ExpertDraw 29  
 Exploratory Data Analysis (EDA) 108  
 Express Copy 1.5 67  
 Express Image 126  
 Extension Keyboard Wrist Rest 158  
 External Expansion Cable for Mini FastCard 116  
 Eye of the Beholder 80  
 Eye of the Beholder II  
 Legend of Darkmoon 80  
 Eye of the Storm 80  
 Eye Play 2 27  
 EZ-Backup 67  
 EZ-Grade v1.2 54  
 ezAD 145  
 ezMOTION 133

## F

F-15 Strike Eagle II 80  
 F-16 Combat Pilot 80  
 F-19 Stealth Air Combat by Pete Bonanni 163  
 F-19 Stealth Fighter 80  
 F-29 Retaliator 80  
 F-Basic 5.0 Language System 62  
 F-Basic System Source Level DeBugger (SLDB) 5.0 65  
 F40 Pursuit Simulator 81  
 Faaastrom Kit-A2000 116  
 Faaastrom Kit-A500 116  
 Facc II 113  
 Faces...Tris III 81  
 Faery Tale Adventure 81  
 Falcon 81  
 Falcon 3.0 Air Combat by Pete Bonanni and Bernard Y 163  
 Falcon Mission Disk  
 Counterstrike 81  
 Falcon Mission Disk II  
 Firefight 81  
 Famous European Courses 81  
 Fancy 3D Fonts 7  
 Fancy Fonts 32  
 Fantastic Voyage 152, 81  
 Fantavision 9  
 FASM85 62  
 Fast Break 81  
 Fast Eddie's Pool and Billiards 81  
 Fast Guide to Amiga CLI 162  
 Fast Guide to ARexx 165  
 Fast Guide to Workbench 162  
 FastCard Plus 114  
 FastCard Plus Q105 114  
 FastCard Plus Q85 114  
 FastFonts 66  
 FastRam 114  
 FastRam for A1000 (option) 120  
 FastRam for A500 (option) 120  
 FastRam with 2 meg 120  
 FastRam with 4 meg 120  
 FastTrig 65  
 FastSimm 1™ 116  
 FastSimm 4™ 116  
 FastTrak Chassis 116

# Product Index by Product

FastTrak Q105 114  
 FastTrak Q85 A1000 114  
 FastTrak Q85 A500 114  
 FastTrak System less hard drive 115  
 FAT SOUNDS 1.2 39  
 FatTracks V2.0 68  
 Feature On A Floppy 20  
 Femme Fatale V3.0 81  
 FernGully-The Computerized Coloring Book 15  
 Ferrari F40 6  
 Fiendish Freddy's Big Top O' Fun 81  
 Fighter Duel Pro 81  
 Fighter Duel Pro Flight Recorder 121  
 Fighting for Rome 81  
 FileRunner™ Box/Heavy Duty 114  
 FileRunner™ Streamer for use with any Amiga 135  
 Final Conflict 81  
 Final Copy 28  
 Final Mission 81  
 fingerTalk 107  
 Fire and Forget 81  
 Fire and Forget II 81  
 Fire Power 81  
 FIRECRACKER 24 15  
 Fireteam 2200 82  
 Fish & More Vol. I 111  
 Fish & More Vol. II 111  
 Flames of Freedom 82  
 FlashBack 68  
 FlashBlaster! 51  
 Flexe Lint for the Amiga 65  
 Flicker Free Video 2 127  
 Flicker Free Video Preferences 66  
 FLICKER MASTER 140  
 flickerFixer 127  
 flickerFixer Genlock Compatibility Option 127  
 Flight of the Intruder 82  
 Flight Simulator II 82  
 Floppy-Rail 113  
 Floral Animated Fonts 17  
 Flow 5 56  
 Flowers 16  
 FontDesigner 32  
 Fontgrabber 24  
 Fonts & Borders 32  
 Forecasting and Time Series 108  
 Foreign Language Dictionaries for ProWrite 112  
 Formula 1 Grand Prix 82  
 FORTRAN/O2O 62  
 Foundation 3.0 152, 105  
 Four Crystals of Trazere 82  
 Fractal Movie 3 12  
 Fractal Music 40  
 FractalPro 4.0 12  
 FractalPro 6.0 12  
 FractalShow 1 13  
 Fraction Action 51  
 Fraction Concepts 51  
 Fractions! 51  
 FrameBuffer/Amiga 127  
 FrameGrabber 125  
 FrameGrabber 2.0 Software 125  
 FrameGrabber 256 125  
 Framing & Foundation Library 14  
 Freelance Escort v1.1 56  
 FreezeFrame Film Recorder 137  
 French Grammar I-III 48  
 French Grammar Series I 48  
 Fright Night 82  
 Froshyte 82  
 Full 24 121  
 Full Count Baseball 82  
 Fun Fonts 24  
 Fun School 3 152, 55  
 Fun School 5 to 7s 152, 55  
 Fusion-Forty 131  
 Future Classics Collection 82  
 Future Touch Integrated Touch Screen Monitors 139  
 Future Wars 152, 82

**G**

G-Force 030 A2000 Combo 50/50/4 131  
 G-Force 040 A2000 Combo 132  
 G-Lock 128  
 Galactic Conqueror 82  
 Galactic Invasion 82  
 Gardenfax  
 Fruit, Vegetables & Herbs 152  
 Garden Plants 152  
 Indoor Plants 152  
 Trees, Shrubs, Roses & Conifers 152  
 Gateway Amiga Club 159  
 Gateway to the Savage Frontier 82  
 Gauntlet II 82  
 GDA-I Hi-Res 256 Color Graphics Cards 128  
 GENamations 20  
 GenAplot 70  
 General Inventory System 58

General Ledger 58  
 General Manager Basketball 82  
 General Managers Football 82  
 Genesis The Third Day 3  
 Genghis Khan 82  
 GEnie 159  
 GEnie (General Electric Information Services)  
 Geniscan Handy Scanner 144  
 Genius Mouse 138  
 GENP MultiMedia 106  
 GENP version 1.5 106  
 Geography Adventure Games 49  
 Geography Expansion Disk for Discovery 49  
 Gettysburg  
 The Turning Point 82  
 GFX-CAD 13  
 GFX-CAD 3000 13  
 Ghosties-Goulies and Things That Go Bump in the Nig 6  
 GI-1000 138  
 GI-600 138  
 GI-700 138  
 GI-7000 138  
 GIFTED SCANS 161  
 GigaMem 66, 69  
 Graffiti-X Desktop Services 161  
 GLIM 60  
 Global Effect 82  
 Globulus 83  
 Gods 83  
 Gold Disk Office 56  
 Gold Disk Type 32  
 Gold Disk's All-In-One 169  
 Gold of the Americas 83  
 Gold Rush 83  
 Golden Axe 83  
 Goldrunner 83  
 Goldrunner II 83  
 GPFax 2.01 109  
 GPTerm-Amiga v4.59 109  
 GPTouch 139  
 GR-910 Basic Grammar 46  
 Grand Prix Circuit 83  
 Grand Slam Multifunction Card 118  
 Graphic Adventure Collection 83  
 Graphics Palette Disk Magazine 106  
 Graphics Workshop V1.01 3  
 Gravis Amiga GamePad 135  
 Gravis Switch Joystick 135  
 Great Cover-Ups 158  
 Great Naval Battles  
 North Atlantic 1939-1943 83  
 Great Resort Courses 83  
 Greens 83  
 Greg Norman's Shark Attack! The Ultimate  
 Golf Simul 83  
 GRIDIRON! 82  
 Groom 139  
 GS-1000 Graphics Library 64  
 GT Emulator 62  
 Guerilla In Bolivia 83  
 Guinness CDTV Disc of Records 153  
 Guitar Chords 40  
 Gun Shoot 83  
 Gunboat  
 River Combat Simulation 83  
 Gunship 83  
 Guy Spy 83

**H**

Haicalc 59  
 Halls of Montezuma 83  
 Ham It Up! 18  
 HAM-E Workshop 16  
 Hangul-Alpha 2.0 24, 17, 28  
 Hard Disk Organizer (HDO) 69  
 Hard Disk Slammer V1.10.A 116  
 Hard Nova 83  
 HardBall II 83  
 HardFrame/2000 115  
 Hare Raising Havoc 83  
 Harley-Davidson  
 The Road to Sturgis 83  
 Harmoni 36  
 Harmonizer 1.0 36  
 Harpoon 84  
 Harpoon Challenger Pack, Signature Edition 84  
 Harpoon's BattleSet. See 2; 3; 4  
 Harrier Combat Simulator 84  
 Harrier Mission 84  
 Hawaiian Odyssey Scenery Adventure 84  
 HC8+0/120-II 114  
 HC8+0/213 114  
 HC8+0/40 114  
 HC8+0/80 114  
 HEADLINES 4 122  
 HealthMed 49  
 Heart of the Dragon 84  
 Heat Wave 84  
 Heather Hits Her First Home Run 153, 41  
 Heavy Metal Modern Land Combat 84

Helm 3  
 Helpful Lightwave Hints 170  
 Hermes IconLab 1.3 66  
 HIDE 1000 116  
 Highway Patrol II 84  
 Hill Street Blues 84  
 Hillsfar Clue Book 163  
 Hint Sheet Folder 163  
 Hints, Maps, and Solutions to Computer Adventure Ga 163  
 HiQ A500 Tower 148  
 History 50  
 History Adventure Games 50  
 History of the Amiga 169  
 Hits 84  
 HMSL 63  
 Hockey League Simulator 84  
 Hoi 84  
 Hole-in-One Miniature Golf 84  
 Home Accounts 2 58  
 Home Alone 84  
 Home Alone-The Computerized Coloring Book 16  
 Home Front 2.5 59  
 Home Life  
 Prides' Guide to Educational Software 164  
 Home Office Advantage 59  
 Hook 84  
 Hostage 85  
 Hot Rod Your Amiga 169  
 Hot Stuff 135  
 Hot Toast From Coast to Coast 168  
 HotLinks 1.1 29  
 HotLinks Editions Text and Photo Editing 1.1 29  
 Hound of the Baskervilles 153  
 Housemate 2.0 56  
 HoverForce 85  
 How a Bill Becomes a Law 54  
 How to Animate I 169  
 How To Manual 167  
 How to Set Up a Low Budget Video Studio 169  
 How to Spell 46  
 Hoyle's Book of Games  
 Volume 3 85  
 Hoyle's Book of Games Volume 2  
 Solitaire 85  
 Hoyle's Book Of Games™ Volume One 85  
 HP Scan Jet IIc Scanner Driver 126  
 HSC Series 105mm B/W Hand Scanner 144  
 Hyper Helpers v1.0 66  
 HyperBook 56  
 HyperCache Professional 66  
 Hyperchord 2.0 36

## I

I-Koen Design Guide to PageStream 2 162  
 i.Keys to Music Vol.II Learn To Write Music 53, 36  
 i.M 36  
 i.Materials Texture Library Vol.II-Tiles 3  
 i.Materials Texture Library Vol.III-Wood Surfaces 4  
 i.PI-PICT Loader and Saver 4  
 i.Take Note 53  
 I325VM Floptical® Disk Drive 117  
 Idea Forms One 33  
 Idhan II 50  
 IFF and Image Resource Library 65  
 Ilene's Color Cookbook 3  
 IllumiLink 3.0 139  
 Illustrated Shakespeare 153  
 Illustrated Sherlock Holmes 153  
 image fonts 01 8  
 Image Review System-Tele-Digitizer, Tele-Radiology 70  
 Image Spinning (Creative Writing) 46  
 ImageFinder v1.1 18  
 ImageFX 9  
 Imagemaster v9.19 25  
 ImageWriter II 34  
 Imagine 9  
 Imagine 2.0 9  
 Imagine-A Guided Tour 169  
 IMG Scan II 126  
 Indiana Jones and the Fate of Atlantis 85  
 Indiana Jones and the Temple of Doom 85  
 Indiana Jones™ And The Last Crusade -The Action Gam 85  
 Indiana Jones™ And The Last Crusade -The Graphic Ad 85  
 Indianapolis 500  
 The Simulation 85  
 Indoor Sports 85  
 Industrial Video Graphics 170  
 Infinit40/1 117  
 Infinit40D 117

Infinit40S 117  
 InfoChannel TV Control Station 109  
 InfoChannel TV Display Station 110  
 InfoFile v1.2 56  
 InovaTools 1 v2.0 65  
 Inquisitor 41  
 Insanity Fight 85  
 Insider Guide to the A600 167  
 Insider II 120  
 Installation 1-3 66  
 Instinct 64  
 Interactive Information System 1 139  
 Interactive Information System 2 139  
 Interactive Laser CAV Masterdiscs 157  
 Interactive Video System 1 139  
 Interactive Video System 2 140  
 Interactor 105  
 Interactive Video and Information Systems 140  
 InterChange Plus 8  
 Interface Design Kit 30  
 Internal Sounds Kit 36  
 INTERNATIONAL FONTS 48  
 International Soccer 85  
 International Sports Challenge 85  
 Interplay CDTV 153  
 IntroCAD 13  
 IntroCAD Plus 13  
 Introduction to Computer Applications Using BASIC 165  
 Introduction to Workbench 2.0 169  
 Intruder Alert 137  
 Intuition—A Practical Programmer's Guide 165  
 Inventory 56  
 Investor's Advantage 2.0 59  
 Investors Companion 59  
 IO Extender for A2000/A3000/A4000 142  
 IR Remote Controller 130  
 IS/ONE 137  
 ISOBAR® Ultra Surge Suppressor 149  
 IV24 V2.0 127  
 IVT-7 129

## J

Jack Nicklaus' Course Designers Clip Art v1 86  
 Jack Nicklaus' Greatest 18 Holes of Golf 86  
 Jack Nicklaus' International Courses 86  
 Jack Nicklaus Presents the Great Championship Cours 85  
 Jack Nicklaus Presents the Great Courses of the U.S. 85  
 Jack Nicklaus Presents The Major Championship Cours 85  
 Jack Nicklaus Presents The Major Championship Cours 85  
 Jack Nicklaus' Unlimited Golf & Course Design 86  
 Jacquard Color Separation Program 110  
 James Bond  
 The Stealth Affair 86  
 James Clavell's Shogun 86  
 Janus 2.1 134  
 Japan Scenery Disk 86  
 Japanese 1 48  
 Jazz Through MIDI 2.0 39  
 JForth Professional V3.0 62  
 Jigsaw 86  
 Jigsaw Puzzlemania 86  
 Jigsaw! The Ultimate Electronic Puzzle 86  
 Jfc Training Package 106  
 JMH Easy Tiler 2.0 20  
 Jockey Competition Option Module 86  
 Joe Blade 86  
 John Madden Football 86  
 Journey 86  
 Journey Through A Cell 43  
 JP-100 138  
 JPEG Deluxe 20  
 JS-105-1M 126  
 JUG 85

## K

KA-1 Enhanced Keyboard Adapter 138  
 Kaleidokubes 86  
 Kampgruppe 86  
 KARA FONTS-AnimFonts® 1 17  
 KARA FONTS-AnimFonts® 2 17  
 KARA FONTS-AnimFonts® 3 17  
 KARA FONTS-AnimFonts® 4 17  
 KARA FONTS-HEADLINES 17  
 KARA FONTS-HEADLINES 2 18  
 KARA FONTS-HEADLINES 3 18  
 KARA FONTS-STARFIELDS 12  
 KARA FONTS-SUBHEADS 18  
 KARA FONTS-TOASTER FONTS 1 122  
 KARA FONTS-TOASTER FONTS 2 122  
 KARA FONTS-TOASTER FONTS 3 122  
 KARA FONTS-TOASTER FONTS 4 122

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Product

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Karate Kid Part II 86  
 Kawai K-5 39  
 Kawai-1 Caged Artist 39  
 KCS 3.5 36  
 KDV V Version 2.04 1.15 69  
 Keep-Trak General Ledger 58  
 Keith Van Eron's Pro Soccer 86  
 Key to C version 2.02 64  
 Keyboard Adapter 149  
 Keyboard Adapter Cable 156  
 Keyboard Kaddy 158  
 Keyboard-Mouse-Link 1.0 107  
 Keyboard-Shell 148  
 Keys to Music Vol.I Learn To Read Music 53, 36  
 KeyWhiz 107  
 KickBack 147  
 Kickboard Plus 147  
 Kickstart in ROM 148  
 Kickstart Swap Board 148  
 KickWork 2.0 + DOS 2.0 66  
 Kids and the Amiga, 2nd Edition 164  
 Killer graphics 169  
 Killing Cloud 87  
 KIM 153  
 Kim 44  
 Kinderama 44  
 KindWords™ 3.0 28  
 King's Bounty 87  
 King's Quest I 87  
 King's Quest II 87  
 King's Quest III 87  
 King's Quest IV 87  
 The Perils of Rosella 87  
 King's Quest V 87  
 King's Ransom 87  
 Kiosk 140  
 Kiosk Pronter 140  
 Kiosk-Economy Directory 140  
 Kiosk-Exhibitor 140  
 Kiosk-Multimedia 140  
 Kiosk-Presenter 140  
 Kitchen Sync 129  
 Kitchen Sync Genlock Option 129  
 Kitchen Sync S-VHS Option 129  
 KNIGHT FORCE 86  
 Knights of Legend 87  
 Knights of the Crystalline 87  
 Knights of the Sky 87  
 Knit Editor Program 110  
 KnitterChart 111  
 KODAK SV6510 Driver 143  
 Komfort Wrist Rest 158  
 Koshan Conspiracy 87  
 Krueger Instant Speed System 132  
 KwikStart II 120  
 KX-P4420 Laser Printer 143

## L

L001  
 Vistapro Scapes-Southern California 9  
 LA ONLINE Free-Access Service 159  
 LA-985 American English for Spanish Speakers 47  
 LA-986 American English for German Speakers 47  
 LA-987 The English Alphabet for Speakers of Urdu 47  
 LA-988 American Idiomatic English 47  
 LabelDext v1.5 58  
 Land of the Unicorn 46  
 Language Expansion Disk for Discovery 55  
 Larry 5  
 Passionate Patti Does a Little Undercover Work 87  
 Laser Printer Drivers 34  
 Lasergraphics LFR Driver 25  
 LaserJet IIP 144  
 LaserPrinter 4 143  
 LaserPrinter 4 Starscript 143  
 Lasershow Designer 100 27  
 Lasershow Designer 200 27  
 Lasershow Designer 300 27  
 Lasershow Designer 400 27  
 LaserView Laser Disc Player 124  
 Lavandiss Role-Playing Game System 87  
 LD-901 Dinosaurs 44  
 Leader Board 87  
 Leander 87  
 Learn Amiga BASIC All By Yourself, Volume 1 165  
 Learn Amiga BASIC All By Yourself, Volume 2 165  
 Learn AmigaDOS All By Yourself! 162  
 Learning English As A Second Language 47  
 Leatherneck 87  
 Legends of Valour 87  
 Leisure Suit Larry II  
 Looking for Love in Several Wrong Places 87

Leisure Suit Larry III  
 Passionate Patti in Pursuit of the Pulsating Pector 87  
 Leisure Suit Larry in the Land of the Lounge Lizard 88  
 Lemmings 153, 88  
 Les Manley In  
 Search for the King 88  
 Lessons in Reading and Reasoning 50  
 Lessons in Reading and Reasoning I-IV 50  
 Library Source 65  
 Light Corridor 88  
 LightWave Single Frame Utility 8  
 Lightworks Graphics Synthesizer 20  
 Linear and Non-Linear Programming 108  
 LINKS 87  
 Linkword Languages 48  
 Lissa 1.2 8  
 Little Red Hen (story diskette) 44  
 Logic II 104  
 Logic Jr. 104  
 LogoLibrary™ 30  
 LOOKHEAR! 44  
 Loom 88  
 Loopz 88  
 Lords of Time 88  
 Lost Patrol 88  
 LPCalc 56  
 LPD Writer 28  
 LTV English 153  
 LuCypher 1 68  
 LuCypher 2 68  
 Lunar Construction Set 30  
 Lunar Rescue 153, 88  
 Lure of the Temptress 88

## M

M-Digit 142  
 M-Slot™ 148  
 M-Slot™ Midi Tower 148  
 M/MR 2100 Mega-Midget Racer™ 132  
 M1 Tank Platoon 88  
 M2 Debug 65  
 M2Amiga 62  
 M4 Mouse 138  
 M502 1MB Standard RAM Expansion 120  
 MA-903 Medal Winner 51  
 MA-904 Sum-It Mountain 51  
 MA-909 Pinball I.Q. 51  
 MA-921 First Year Algebra 51  
 MA-922 Algebra  
 The Computer/Textbook Connection 51  
 MA-928 Nunbowl 51  
 MA-930 Parting Shots 51  
 MA-932 Math Golf 51  
 MA-936 Number Jumper 51  
 MA-938 Caterpillar 500 51  
 MA-943 Last of the Ninth 51  
 MA-944 Slam Dunk 51  
 MA-948 Pail Green 51  
 MA-953 On the Line 51  
 MA-954 Branded 51  
 MA-967 Sum Fun 51  
 MA-993 Figuring the Angles 51  
 MA-998 How-To Addition 51  
 MA-999 How-To Subtraction 51  
 MAC-2-DOS 1.1 69  
 Mach IV 66  
 Macro Paint 16  
 Macro68 V3 62  
 Mad Star Ship Construction Set 17  
 Madrigal Architectural Master Collection DXF 14  
 Madrigal Architectural Master Collection IFF 17  
 Madrigal Automotive Construction Set, CAD Format 14  
 Madrigal Automotive Construction Set, General Coll 17  
 MAGDEX 106  
 Magic MVP Johnson 88  
 Magic Pockets 88  
 Magical Myths 55  
 Magnum/650™ 117  
 Mail-O-Dex Professional 56  
 MailBase Escort v1.0 57  
 Mailman 88  
 Main-A-TRACK-tion 57, 60  
 Major Motion 88  
 MakePath 1.0 5, 9  
 Male and Female 6  
 Mandala 3  
 Mandala@ Virtual World Authoring Software 20  
 Mandelbrot Variations 70  
 Manhunter  
 New York 88  
 San Francisco 88  
 Maniac Mansion® 88  
 Many Roads To Murder 153  
 Maple V Computer Algebra System 52  
 Mapping the Amiga 165  
 Maps, Lists, and Answers for Dungeon Master 163  
 Mark Smiddy's Little Blue Workbench 2 Book 167  
 Mark Smiddy's Little Red Workbench 1.3 Book 167  
 Marketing Statistics 60  
 Mark's MathLab 52  
 Master 3A-1 113  
 Master SimCity/SimEarth 163  
 Master Virus Killer Version 2.2 69  
 MasterControl 127  
 Mastering Amiga Beginners 167  
 Mastering Amiga—AREXX 167  
 Mastering Amiga-AmigaDOS 2, Vol. One (Tutorial) 167  
 Mastering Amiga-AmigaDOS 2, Vol. Two (Reference) 167  
 Mastering Amiga-AMOS 167  
 Mastering Amiga-Assembler Programming 165  
 Mastering Amiga-C 167  
 Mastering Amiga-Printers 164  
 Mastering Amiga-System Programming 166  
 Mastering Amiga-Workbench 2 167  
 Mastering CLI and the SHELL 110  
 Mastering Toaster Technology 121  
 Masterpiece 3D Fonts for Imagine 7  
 Masterpiece 3D Fonts for LightWave 123  
 Masterpiece 3D Fonts in Interfont Format 7  
 Masterpiece Anti-Aliased Font Collection 24  
 Masterpiece Professional Font Collection 24  
 Masterpiece Toaster CG Fonts 123  
 Match-it 44  
 MatchIt!, SnapIt! & RememberIt! 44  
 Materials Texture Library Vol.I-Stone Surfaces 3  
 Math 1 52  
 Math Blaster Plus 52  
 Math Concepts 52  
 Math Doctor 52  
 Math Odyssey 52  
 Math Wizard 52  
 Math-A-Magician 52  
 Math-Amation 60  
 Mathasaurus 52  
 Mathasaurus II 52  
 MathsMaster 52  
 MathVision 2.4 52  
 Matrix Operations 109  
 Mavis Beacon Teaches Typing 55  
 MAX—125™ Autoboot Interface Adapter 116  
 Maxi Taxi 52  
 Maxiplan 4 59  
 Maxoptix Tahiti II 117  
 MaxTrax 62  
 MBX 1200Z 132  
 McGee 41  
 McGee at the Fun Fair 41  
 McGee visits Katie's Farm 41  
 Me and My Amiga  
 An Introduction 169  
 MEAN 18 88  
 Mean Streets 88  
 Media Line Animation Backgrounds 12  
 Media Line Clipart Disk 1 17  
 Media Line Font Disk 1 18  
 Media Mogul 36  
 Media Show 111  
 MediaBase Program 21  
 MediaLink 3.0 21  
 MediaLink Remote Access Module 21, 110  
 MediaPhile 2.0A Infrared Controller 124  
 MediaPhile 2.0MA Infrared Controller 124  
 MediaPhile 2.0P Universal Tape Deck Controller 126  
 MediaPhile 2.0PC Infrared Controller 124  
 MediaPhile 2.0S Serial Controller 126  
 MediaPhile 2.0SA Serial Controller 126  
 MediaPhile 2.1S Serial Edit Controller 126  
 MediaPhile Desktop Video System 21  
 MediaPhile Programmer's Toolkit 21  
 MediaPhile Servers Programs 21  
 MediaPhile Utility Program Disks & Manuals 21  
 MediaPro Interactive Multimedia Controller 124  
 MediaProcessor Program 21  
 Medieval Warriors 89  
 MEGA lo MANIA 88  
 Mega Paint 16  
 MegAChip 2000/500 120  
 MegAChip 2000/500 With 2MB Agnus Chip 120  
 MegaDisc Catalogue on Disk 106  
 MegaDisc Info Resource 106  
 MegaDOS AmigaDOS Manual on Disk 34  
 MegaFortress 89  
 Operation Sledgehammer 89  
 Megamix Master 146

MegaTraveler by Paragon 89  
 MEMOPLUG for the Amiga 149  
 Memory Challenge Series. See 1  
 Memory for Amiga 120  
 Merchant Colony 89  
 Mercury 040/3000 132  
 Merlin 24Bit graphic board 137  
 Merlin's Maths 52  
 Meta4 120  
 Meta4/500 Memory Expansion Chassis 148  
 MetaScope v1.5 64  
 MFC 2™ MultiFaceCard 2000/3000/4000 148  
 MFC 2™ MultiFaceCard 500 148  
 MFC™ MultiFaceCard 1000 148  
 MGLD.501 Birds In Nature 16  
 MGLD.502 Worldwide Maps 16  
 MGLD.503 More Worldwide Maps 16  
 MGLD.504 Auto Race Thrills 16  
 Microfiche Filer 58  
 Microfiche Filer Plus 58  
 MicroLawyer 60  
 MicroLeague Baseball  
 The Manager's Challenge 89  
 MICRON™ 126  
 Microshare MCS 1050 142  
 Microshare MCS 8004/MCS 8008 143  
 Midget Racer/PGY 1240MR 132  
 MIDI  
 A Comprehensive Introduction 166  
 MIDI 1000 146  
 MIDI 500/2000 146  
 MIDI Connector 146  
 MIDI for the Amiga 2000 147  
 MIDI for the Amiga 3000 147  
 MIDI for the Amiga 500 147  
 MIDI for the Amiga1000 147  
 MIDI Gold 500 146  
 MIDI Gold Insider 147  
 MIDI Interface 147  
 MIDI Music Manager 36  
 MIDI Quest Universal Editor Librarian 36  
 MIDI Retrofit Kits (Custom) 147  
 MIDI Sample Wrench V2.0 36  
 MIDI-Mice 124  
 Midimaster 147  
 Midwinter 89  
 Mifont 1.1c 32  
 MiG-29 Fulcrum 89  
 Might and Magic II  
 Gates to Another World 89  
 Might and Magic III  
 Isles of Terra 89  
 Migraph CS-6000 144  
 Migraph Hand Scanner and Touch-Up 144  
 Migraph Merge-It and Scanning Tray 144  
 Migraph OCR v1.1 144  
 Migraph PS-400 Wand With Touch-Up 144  
 Mind Run 153  
 MindLink 110  
 Mini FastCard 114  
 Mini Office 57  
 miniGEN 128  
 Minimodem-AM24 140  
 Mloutline 1.0a 32  
 Miracle Piano Teaching System 40  
 Mitsubishi Touch-screen Monitors 140  
 Mixed-Up Mother Goose 89  
 MM 2150 Mega-Memory Board™ 120  
 Model A Interface 147  
 Modula-2 and the Amiga 64  
 Moebius  
 The Orb of Harmony 89  
 MoG 70  
 Money Mentor 59  
 Monkey Island 2  
 LeChuck's Revenge 89  
 Monopoly 89  
 MONTAGE 121  
 MONTAGE Fonts 1 123  
 Moonbase 89  
 MorphPlus 25  
 Morpheus 12  
 Motif Programmer's Toolkit for the Amiga 64  
 Motion & Magic 7  
 Motion Man 121  
 Mouse Bowling 89  
 Mouse Control 138  
 Mouse Quest 89  
 Mouse Wash 2500 158  
 Mouse-Ease 158  
 Mousetrap® Slim Line 158  
 Move It! & Slide It! 89  
 MovieClips 12  
 MovieSetter 9  
 Moving Gives Me A Stomach Ache 153, 42  
 International Version 42  
 MOX-600 117  
 MPS-1270 Ink Jet Printer 143  
 Mr. Robot's Speak'n Spell 46

# Product Index by Product

MRBackup Professional V1.14 68  
MS-P3400 124  
Mud Puddle 153, 42  
International Version 42  
Multi-Media Kit 36  
Multimedia FX™ 2.0 36  
Multimedia—Interactive 159  
Multiplot XLNF 70  
MultiStart II 149  
MultiStart II 6A 149  
MultiTrace 1.0 62  
Multivariate Analysis 109  
Murder Anyone? 153  
Murder on the Atlantic 89  
Murder! 89  
Murders in Space 90  
Muscle Cars 90  
Music Maker 153  
Music Mouse 37  
Music-X 1.1 37  
Music-X Jr. 37  
MusicBox A 37  
MusicBox B 37  
MusicLab-IFS 37  
Musicolor 153  
MW-201 145  
My Paint 16  
My Paint 2.0-The Paint Program Just For Kids 44  
Myra's World 13  
Mystical 90

## N

NakeD-F 148  
NakeD-Up 148  
Nam 154  
NapGap 90  
Napoleon The Campaigns 1805—1914 90  
NASA...The 25th Year 154  
National Amiga Network System 159  
NEC P6 Driver 34  
Neriki CE100 Color Coder 26  
Neriki Desk Top GL1189 128  
Neriki Image Master GL1187C 128  
Neriki Video Tools on Tap 21  
NES, Inc. AM-200A Prototyping Board for Amiga 2000/ 136  
NES, Inc. AM-200AZ Prototyping Board for Amiga 2000 136  
NES, Inc. AM-200B Prototyping Board for Coprocessor 136  
NES, Inc. AM-205M Two Port Serial Card for MIDI App 149  
NES, Inc. AM-205R Two Port Serial Card for RS-232 A 149  
NES, Inc. MI-001 MIDI INTERFACE UNIT 147  
Netherworld 90  
Neuromancer 90  
NeuroPro 2.0 104  
NewTek's Video Toaster 169  
NFL DataDisk 90  
Night Dawn 90  
Night Shift 90  
Nightbreed 90  
NightFX™ Screensaver 69  
Nimble Numbers 44  
Ninja Garden II 90  
Ninja High School 154  
No Greater Glory-The American Civil War 90  
Nobunaga's Ambition 90  
Non-Glare Full Spectrum Lights 158  
NoRad Shield 140  
Norgen—Version 2 of the Genealogy Database 107  
Norgen- Import Utility 106  
North Polar Expedition 154  
NoteBook v1.10 57  
Nova 9 90  
Novia 60i and 85i 114  
Novia/Speed 60i and 85i 114  
Nuclear War 90  
Nursery Rhymes (story diskette) 44  
Nutri-Fax 50  
Nutrition  
A Professional Guide 50  
Nutrition Guide for the Home 50  
NX-1001 Multi-Font 143  
NX-1020 Rainbow 143  
NX-1500 Multi-Font 143  
NX-2415 Multi-Font 143  
NX-2420 Multi-Font 143  
NX-2420 Rainbow 143  
NX-2430 Multi-Font 143  
NY Warriors 90

## O

O Debug 65  
Oberheim Matrix 6/1000 Caged Artist 39  
Obitus 90  
Official Guide to Sid Meier's Railroad Tycoon 90

Offshore Warrior 90  
Oh No! More Lemmings 90  
OLO Animated Fonts 1 12  
OLO Animated Fonts 2 (Glider) 12  
OLO Animated Fonts 3 (Gold) 12  
Olo Backs 1 21  
Olo Backs 2 21  
Olo Fonts Collection 1 24  
Omega 91  
Omega Face 7  
Omega File Data Base-Mail Merge 58  
OMM Series Opto-mechanical Mouse 138  
Omni Chroma Keyer 124  
Omni-Play™ Basketball 91  
Omni-Play™ Horse Racing 91  
OmniGen 701/702 128  
OmniGen 711/712 128  
OmniGen 721/722 128  
On-Line Studio 26  
One to One Match 91  
Online Platinum Edition 110  
Opal Vision Video Processor 124  
OpalVision 124  
OpalVision Scan rate Converter 124  
OpalVision Video Suite 124  
Operation Combat 91  
OPM Series Optical Mouse 138  
Optimization/Simulation/Risk 109  
Orge 91  
Oriental Desk Top Art Vol.1-Vol.4 17  
Origins 107  
Ork 91  
Our Wedding 21  
Out of This World 91  
Out Run by Sega 91  
Outline Fonts 33  
Over The Net! 91  
OVERboard 120  
Overdrive 91  
Overlord 91  
Oxyd 91

## P

P-NET Cable/Adapter 134  
P-Stat 60  
P.G.A. Championship Courses 91  
P.G.A. Tour Courses I 91  
PACE™ Professional Animation Control Engine 126  
Pack Planes WW2 7  
Packterm 110  
PageLiner 29  
Pagesetter III 29  
PageStream 2.2 29  
PageStream Disk A 33  
PageStream Font Pack 1 33  
PageStream Plus Pack 33  
Paint and Create 42  
Paint Me a Story 91  
PaintJet Color Graphics Printer 143  
PaintJet XL 143  
Pairs 92  
Paladin 92  
Paladin 2 92  
Palette Printer 34  
Panasonic/Selectra AG-1960/RS™ 125  
PanaSync C1381 140  
Pandora's CD 154  
PANIC button 158  
Panzer Battles 92  
Paperboy 92  
Paragon font Packs 4  
Parallel Port Adapters 142  
Parallel Port I/O Board 136  
Parameter and Tolerance Design 60  
Parent's Guide to Educational Software 164  
Parking Lot 52  
Pat Mullen's Maps, Lists and Answers for Chaos Stri 163  
PatchMeister v1.0c 39  
Pattern Splatter 40  
Paternalia 21  
Payroll 58  
PC Laser 6000/PS 144  
PC-VCR 124  
PCA-Power Cable-Amiga 500 148  
PCM-70 Caged Artist 39  
Pelican Press 29  
Pen Pal 112  
Perfect Sound 3 Adaptor 146  
Perfect Sound 3.0 146  
Performance 40  
Periculum 42  
Persian Gulf Inferno 92  
Personal Finance Manager 57  
Personal Finance Manager Plus 57  
Personal Fonts Maker 28  
Personal Information Manager 57  
Personal Memory Cards 156  
Personal Music Librarian 37  
Personal Series Expansion System 125  
Personal Switcher 121  
Personal VDA 125

Personal Video Librarian 57  
Personal Write 28  
Personality 42  
PGA Tour Golf 91  
PGA Tour Golf Tournament Course Disk 91  
PHASAR 4.0 59  
Phoenix Board 148  
Phoenix Colour Digitizer 125  
Phoenix SCSI Box 116  
Phoenix SCSI Case 116  
PhonePak VFX 136  
Photographic Hardcopy from Amiga Files 161  
Photon Paint 2.0 16  
Photon Video Cel Animator 9  
Photon Video Transport Controller 26  
Phovos 300C Scanner 144  
PhunnyPhonemes 45  
Physics of Motion 53  
Pick'N Pile 92  
Pig Palace Data System 60  
Pipe Dream 92  
Pirates 92  
Pitfighter 92  
Pix Lib 16  
Pixel 3D Professional 4  
Pixel Perfect 24 121  
Pixelations' PostScript Series 33, 34  
Typographers' Ornaments Volume 1,2,3,6,&7. 30  
PixelScript V1.1 34  
PIXmate 18  
PIXOUND™ 37  
Plan 9 From Outer Space 92  
Plans Version 3.0 13  
Platinum Edition Derringer 132  
Plato's Revenge 9  
PlotPrint 14  
PlotPrint Version 2 14  
Poco Man 42  
Point-of-Sale Inventory 58  
Poker Solitaire 92  
Polaroid CI-3000/CI-5000 Driver 149  
Police Quest 92  
Police Quest II 92  
Police Quest III 92  
Polyhedra 1.2 7  
Pool of Radiance 92  
Pools of Darkness 92  
Pop Video 170  
Populous 92  
The Promised Lands 92  
Populous II  
Trials of the Olympian Gods 92  
Populous World Editor 92  
Portal UUCP Connection 157  
Ports of Call 92  
Positive! 58  
PostScript® Fonts Conversion 24  
Power PC Board™ 123  
Power Pinball Expansion Disk 1 93  
Power Pinball for CDTV 154  
Power Pinball Version 1.1 93  
Power Supply 133  
Power Windows 2.5C 65  
Power-Y-Cable 113  
PowerMaster 107  
PowerMid PM5900 140  
PowerMonger 93  
Powerplayers Joystick 136  
Powerstyx 93  
PPA-1000 142  
PPA-2000 142  
Practical Composition I-V 46  
Practical Vocabulary 46  
Pre-Calculus 52  
Predator 2 93  
Prehistorik 154, 93  
Preparing for College Boards 55  
Presentation Master 111  
Presenter 500 130  
Prides' Guide to Educational Software 164  
Prima 52i, 105i, 120i, and 240i 114  
Prima/Speed 52i, 105i, 120i, and 240i 114  
Prince of Persia 93  
Principles of Composition 4  
Printer-Y-Cable 142  
Printerface 142  
PrintMaster Plus 34  
Prism Pal Color Splitter 125  
Pro Fills Volume 1 V2.0 21  
Pro Fills Volume 2 22  
Pro Links  
The Official Guide to LINKs and Microsoft Golf 163  
Pro MIDI 1000 147  
Pro MIDI 500/2000 147  
Pro Port Analyzer 133  
Pro ROM Switcher 133  
Pro Stereo Sound Sampler 146  
Pro Studio Kit 37  
Pro Tennis Tour 93  
Pro Tennis Tour II 93

Pro Video CG II 22  
Pro Video Gold 22  
Pro Video Plus 22  
Pro Video Post 22  
Pro Video Series Alternate Fonts (five sets) 24  
Pro-Net v2.0B 13  
Pro-Board Personal 13  
Pro-Board v2.1 13  
Pro-Board v3.0 13  
Pro-Drill v1.0 13  
Pro-Net Personal 13  
Pro-Quality Clip Art Multi-screen Airplanes V1 13  
Pro-Quality Clip Art Multi-Screen PreHistoric Anima 13  
Pro-Quality Structured Airplanes V1 30  
Pro-Quality Structured PreHistoric Animals 30  
Pro-Textures Vols. I, II, III 5  
Probability Theory 52  
PROclips 29  
Producer's Survival Kit™ Professional Video Forms B 59  
Production Services 140  
Professional Calc 112  
Professional ClipArt Vol.1 30  
Professional ClipArt Vol.2 30  
Professional Draw 3.0 30  
Professional Font Library 4.4 24  
Professional Font Upgrade 18  
Professional Football Simulation 93  
Professional Lottery Systems 106  
Professional LS-118 154  
Professional Page 3.0 29  
Professional Page Templates and Design Guide 34  
Professional Scan Lab II 126  
Professional Techniques for DPaint III 16  
ProfessionalPlus Glare/Guard™ 141  
ProFonts I 33  
ProFonts II 33  
PROGRAFIX SOURCE Benchmark Fonts 33  
Program Design Techniques for the Amiga 166  
Programmer's Guide to AReXX (with disk) 166  
Programmer's Guide To The Amiga 166  
Programming & Training Services 161  
Progressive 040/2000 132  
Progressive 040/3000 132  
ProImage V2.0 65  
Project D 68  
Project Planner (PERT & CPM) 109  
Project-X 93  
Promise 112  
Proper Grammar 112  
PROPS 17  
ProRAM 3000 123  
Prospector In The Mazes Of Xor by Logotron 93  
ProStream PostScript Type-1 Fonts 33  
Prosumer Slide 161  
Protein Music 40  
Protext 28  
ProVector 2.1 29, 4  
ProWrite 3.3 28  
PS-220 Power Supply 148  
PS-45 Power Supply 148  
PS-50 Power Supply 148  
PSFont 2.0 34  
PSImport™ 29, 4  
Psycho Killer 154  
Psycho Killer II 154  
PU-940 Punctuation 46  
PUBDEX 106  
Public Domain & Shareware Collections 106  
Pure Color 34  
Pushover 93  
Pyramid 400 DPI Grey Scale Hand Scanner 144  
Pyramid 4MB RAM Expansion W/OK 123  
Pyramid 512K RAM Expansion 123  
Pyramid Handy Mouse (Two-Button) 138  
Pyramid MIDI Interface 147  
Pyramid Mouse Master Switch 137  
Pyramid ROM Switch 147  
Pyramid Sound Enhancer 146  
Pyramid Swiftly Mouse (Three-Button) 138

## Q

Qic Tape 118  
Qsolve 1.0 93  
Quality Control and Industrial Experiments 60  
Quarterback 5.0 68  
Quarterback Tools 1.5 69  
Quartet 37  
Quest Editor/Librarian 37  
Quest for Glory  
So You Want to be a Hero 93

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Product

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

Quest for Glory II  
Trial by Fire 93  
Quest I  
Texture 37  
Quest II  
Texture 37  
QuickWrite 1.1 28  
Quma Version Control System v1.1 64  
QwikForms™ 33

## R

R/C Aerocopter Flight Simulation System 93  
RA5 Series Internal RAM Card for Amiga 500 120  
RaceTrace 4  
Radical Type 170  
Railroad Tycoon 94  
Railroad Tycoon Master Strategies for Empire Builde 163  
Rambbrandt/Amiga 126  
Ramify 94  
Rampage 94  
RangeFinder 53  
Rashumon DTP 1.2D 28  
Rashumon GR 1.2 28  
Raster Image 161  
RasterLink™ (formerly ImageLink) 8  
Rat-Pad! 158  
Rave Sampler 37  
RawCopy Version L 68  
RayDance Ray Tracing Software 5  
RC-1000 120  
RC-2000 120  
RC-500 123  
RE-841 Basic Reading Literacy (Set One) 46  
RE-910 Learning the Alphabet 45  
RE-915 Beginning Reading 45  
RE-921 Booksoft One Comprehension-Elementary Level 46  
RE-940 Stories in Reasoning with the Great Detective 46  
RE-942 Reading Detective  
A Word Game 46  
Reach for the Stars 94  
Read & Rhyme 45  
Read-a-Rama 45  
Read4D 14  
Reading Adventures I-III 45  
Reading and Thinking I-III 46  
Reading and Thinking Series 45  
ReadSOBJ 14  
Ready Robot Club Monthly Disk 45  
Real-Time Sound Processor 40  
Real3D v2.0 10  
Reason 112  
Recipe-Fax 2.0 105  
Recipe-FaxNFX 105  
Record Manager Information Base V1.4 59  
Red Baron 94  
Red Storm Rising 94  
Red Zone 94  
Reel Fish'n 94  
Regression—Linear and Non-Linear 109  
Rejuvenator 148  
Remote Control Panel (RCP) 150  
Renegade Legion  
Interceptor 94  
Resource Library Disc-2 Audio 161  
Resource Library Disc-3 Multimedia 161  
Resource Library Disk 1-Graphics 161  
ReSource V5 63  
Retail Escort v2.1 57  
REXX PLUS Compiler 63, 121  
REXX RAINBOW Library Series 67  
RF362C A500 Replacement Drive 113  
RF372C A2000 Replacement Drive 113  
RF382CV RocLite AV 113  
RG310CN RocGen Plus 128  
RG320C RocKey 22  
RGB Single Frame Controller 27  
RGB-Monitor-Cable 141  
RH600C RocMate 116  
RH800C RocHard 118  
Rick Dangerous 94  
Rick Davis's World Trophy Soccer 94  
Ricoh RO-5030E 117  
Riders of Rohan 94  
Rings of Medusa 94  
Ringside 94  
Rise of the Dragon 94  
Risk 94  
RL-901 In the Beginning 108  
RL-902 Adam and Eve 108  
RL-904 Abraham, Friend of God 108  
RL-932 The First Christmas 108  
RL-938 The Story of the Good Samaritan 108  
RL-993 In The Promised Land 108  
RL-995 The Bible on Disk 108  
RM-2B Professional Genlock For Amigas 128

RM300C Mouse 138  
Road Raider 94  
Robocop 3-D 95  
RoboSport 94  
Robotarm 149  
Rock-A-Doodle - The Computerized Coloring Book 16  
Rocket Launcher™ 132  
ROD-5602 F/T 117  
Roland D-50 Caged Artist 39  
Roland D-70 Editor/Librarian 39  
Roland MT-32 Caged Artist 39  
Roll'em! 22  
Romance of the Three Kingdoms 95  
Romance of the Three Kingdoms II 95  
Romantic Encounters at the Dome 95  
RoomMate Computer Monitor 158  
Rotor 95  
Rotox 95  
RouteMeister RM4X4VC 121, 127, 128  
Rover 42  
RTV 27  
RUF Programming Utility 65  
Rules for Tools 37  
Rules of Engagement 95  
Rune Sight v 1.0 106  
RV300C Anti Virus Device 113  
RVF Honda 94  
RXMix 40

## S

S.A.M. 37  
SA 1000 115  
SA 2000 115  
SA 500 115  
SA Enhancer Kit 55  
SA Upgrade Kit 149  
SA-10 EPROM Programmer 144  
SA-10 Host Adapter 115  
SA-5 Host Adapter 115  
Sales and Market Forecasting 60  
Sammy the Clown's Playground Volume One Version 1.1 45  
SampLIB 40  
SampXfer\_V2 127  
Santa Paravia and Fiumaccio 95  
Santa Paravia and Fiumaccio (Tournament Version) 95  
Savage 95  
Saxon Publisher V1.2 29  
SaxonScript Professional 34  
SBase Personal 4 59  
SBP-10 Plus 143  
SC-928 Blood Bank 53  
SC-929 Explorer's Digest 53  
SC-930 Second Wind 53  
SC-931 Salvage 53  
SC-932 Sunnyside Up 53  
SC-935 Planet Probe 53  
SC-936 AIDS Information Game 50  
SC-955 Save the Whales 53  
SCALA 500 Home Video Titler 22  
SCALA InfoChannel 110  
SCALA Video Studio 22  
Scan and Save 144  
Scan Version 2 104  
Scannery 149  
ScareMaker 3.0 8  
Scare City Motel 52  
Scary Poems for Rotten Kids 154, 42  
Scene Generator 18  
Scenery Animator 10  
School Announcement System 42  
Science Expansion Disk for Discovery 53  
Scrabble 95  
Screen-Maker 2.2 22  
Screen-Maker Top 40 HAM Images 22  
Scribble! Platinum Edition 28  
Scriptgen 121  
SCSI Model 1370 113  
SCSI Model 1578-15 113  
SCSI Model 1670 114  
SCSI Tower for A2000 149  
SCSI-STD 17/12 116  
SCSI-STD/17 116  
SCSI-STD/3 116  
SCSI-STD/3/17 116  
SCSI-TV 156  
Second Front 95  
Seconds Out 95  
Secret of the Silver Blades 95  
Secretary 57  
Secrets of an Artist 17  
SecureKey 133  
Sentence Completion 55  
Sequel 38  
Service Industry Accounting Rev. B-4 58  
Services to CDTV Developers 161  
Sex Vixens From Space 95  
Sexy Pin Up I-IV 7  
Shadow of the Beast II 95  
Shadow Sorcerer 95  
Shadowgate 95  
Shadowlands 135  
SHADOWMAKER 33  
Shanghai 96  
SHARP JX-100 DRIVER 149  
SHARP JX-300, 320, 450, 600 Driver 149  
Sherlock Holmes Consulting Detective 154  
Shielded 25-pin sub-D to 50-pin flat cable. 116  
Shinko & Mitsubishi Preferences 1.3  
Printers Driver 34  
Shinobi 96  
Shoot 'Em Up Construction Kit 96  
ShowMaker 111  
Shuffle Board 113  
Shufflepuck Cafe 96  
Side-View Game Option Module 96  
Sierra Video Catalogue 168  
SIGH-dex® 112  
SIGH-light® 105  
SIGH-low® 110  
Sign of Four 154  
SignEngine 4  
Silent Service 96  
Silent Service II 96  
SilverClips 31  
SimAnt-The Electronic Ant Colony 96  
SimCity 154, 96  
SimCity Graphic Set 1-Ancient Cities 96  
SimCity Graphic Set 2-Future Cities 96  
SimCity Planning Commission Handbook by Johnny L. W 163  
SimEarth—The Living Planet 96  
Simpatica 22  
Simplified Amiga Library 65  
Ski or Die 96  
Skyblaster 96  
SLAPSHOT! 95  
Slaygon 96  
Sleeping Gods Lie 96  
Slide Service 161  
Sliders 96  
Slingshot 142  
Slip Stream 96  
Small 53  
SMG Extended Warranty 159  
Smooth Talker 22  
SMPTE Output 37  
SMUS2T 40  
Snip 70  
Snow Words 45  
Soft-Logik Clip Art Library 31  
Soft-Logik Library Classic Fonts 33  
Soft-Logik Library Designer Fonts 33  
Soft-Logik Library Newsletter Fonts 33  
Soft-Logik Library Starter Fonts 33  
SoftClips 17  
SoftFaces 28  
SoftTouch™ 141  
Software From Hell 65  
Solar System (story diskette) 53  
Sony CPD-1604S Multiscan Monitor 140  
Sony UP-D7000 Digital Color Printer 143  
SortMaster 54  
Sound Sampler 146  
SoundScape Pro MIDI Studio 38  
SoundScape Sound Sampler 146  
Soundtracks for MIDI 40  
Source Builder 63  
Source Level Debugger (SDB) 65  
Source Level Debugger and Tools 65  
Source/Object Diskette for Programmer's Guide To Th 166  
SP-902 Spelling 46  
SP-903 Spelling 46  
SP-904 Spelling 46  
SP-905 Spelling 46  
SP-906 Spelling 46  
SP-907 Spelling Detective Game 46  
Space 1889 96  
Space Ace 96  
Space Ace II  
Borf's Revenge 96  
Space Harrier by Sega 97  
Space Math 52  
Space Quest I  
The Sarien Encounter (Updated Version) 97  
Space Quest II  
Vohaul's Revenge 97  
Space Quest III  
The Pirates of Pestulon 97  
Space Quest IV  
Roger Wilco and the Time Rippers 97  
Space Rogue 97  
Space Spuds 97  
Space Wars 154, 97  
SpaceCraft 7  
SpaceFonts 7  
Spacewrecked-14 Billion Light Years from Earth by G 97  
Spanish Grammar I-III 48  
Spanish Grammar Series I 48  
SpeakerSim V2.1 13  
Spectrum 125  
Spectrum 1000C 129  
Spectrum 1000SC 129  
Spectrum 500C 129  
Spectrum 500SC 129  
Spectrum 750SC 129  
Spectrum 850QC 129  
Spectrum 900C 129  
SpectrumFX™ 54  
Speedball 2 - Brutal Deluxe 97  
Spell M-O-N-E-Y 43  
Spell-A-Fari 46  
Spelling 1 46  
Spelling 2 46  
Spelling Fair 46  
Spells-It-Right 67  
Spheres 2 12  
SpiralMaster 4  
Spirit of Excalibur 154  
Spoils of War 97  
Sport of Kings 97  
Spot 97  
SS-950 Christopher Columbus 54  
SS-951 Lewis and Clark Expedition 50  
SS-952 Across the Plains 50  
SS-953 Early Great Lakes 50  
SS-954 Making our Constitution 50  
SS-955 Transcontinental Railroad 50  
SS-956 Introducing Maps 50  
SS-961 Women in Ancient Africa (Book w/Disk) 54  
ST-506 Model 1320 114  
Stable Owners Option Module 97  
Standard BASIC Programming with True BASIC 166  
Standard SCSI Cable- CA-4910 134  
Star Control 97  
Star-Net BBS V1.0 110  
StarDrive Module 115  
Starflight 97  
Starflight 2  
Trade Routes of the Cloud Nebula 97  
StarJet SJ-48 143  
StarsFX™ 2.0 10  
Starting a New Business 43  
Static RAMs 134  
Static Release Cloth 157  
Statpack 60  
Stellar 7 97  
Stereo Master 38  
Stik-Gripper™ 136  
Stik-Gripper™ T.C.S. 136  
STL File Conversion 160  
Storm Across Europe 97  
StoryBook Capitals 3.0 17  
Strange Garden of Visual Delights 19  
Strategic Simulations Clue Books 163  
Stratego 98  
Street Rod 98  
Street Rod 2 98  
Strikes Aces  
International Bombing Competition 98  
Strip Poker III 98  
Structured BASIC Programming 166  
Structured Clip Art. See 1  
Structured ClipArt 31  
Structured Programming with True BASIC 166  
STSLib 64  
STU-Amiga System Test Utility 67  
Studio 16 w/AD1012 146  
Studio 16 w/AD516 146  
StudyWare for the GRE 55  
StudyWare for the SAT 55  
Stunt Island  
The Flying and Filming Simulation 98  
Stunt Track Racer 98  
Subroutine Library 64  
Super Games Pak 154  
Super Off Road 98  
Super Sound 146  
Super Space Invaders 98  
Super-DJ2 143  
SuperBack 68  
Superbase Personal 2 59  
Superbase Professional 4 v1.2 59  
Supercars 98  
SuperFont Sampler 3.0 112  
Superfrog 98  
SuperGen 128  
SuperGen 2000S 128  
SuperJAM! Extras Disks 38  
SuperJAM! v1.1 38  
Superman  
Man of Steel 98  
SuperMICRON™ 127  
Superplan 60  
Superstar Ice Hockey 98  
Supra Drive for A2000 114  
Supra FAXModem Plus 136  
Supra FAXModem V.32 9600 Send/Receive Fax 136  
Supra FAXModem V.42bis 136  
Supra Modem 2400 140  
Supra Modem 2400 Plus 140  
Supra Modem 2400 zi Plus 140  
Supra RAM 2000 120

# Product Index by Product

Supra SCSI Interface for A500 115  
 SupraDrive 500XP 116  
 SupraDrive™ Floppy Disk Drive 120  
 SupraRam 500RX 120  
 SupraRAM™ 500 123  
 SupraTurbo 040 132  
 Swap 98  
 SWB-M-BT Boot Selector 147  
 SWB-M-KS KickStart Switch 147  
 SWB-MJ Auto Mouse/Joystick Switch 147  
 SwitchStart 150  
 Sword of Aragon 98  
 Sword of Sodan 98  
 Symposium 150  
 Synchro Express 133  
 SyncPro 146  
 Synthesis 3D-ROM 7  
 Synthesizer Performance and Real-Time Techniques 166  
 Synthia II 38  
 Synthia Professional 38  
 Syquest (SQ 5110) 88MB Removable Hard Drive 117  
 System Integrator 26

## T

T+3 133  
 T-N-T (The New Testament) Version 1.1 108  
 T4 Trackball 138  
 Table Tennis Simulation 98  
 TableTop Treasury 98  
 Tac-30 136  
 Tac-50 136  
 TACH 25 150  
 Take 2 10  
 Tales From The Arabian Nights 45  
 Talespin 99  
 Talking Turtle 54  
 Taming the Wave  
 Exploring NewTek's LightWave 3D 169  
 Tangled Tales 99  
 Tanglewood 99  
 Targhan 99  
 TaxBreak '92 59  
 TBCard 129  
 TBCard PLUS 129  
 TDL487 Video Delay Line 121  
 TDL488-T Video Delay Line 121  
 Team Suzuki 99  
 Team Yankee 99  
 Team Yankee II  
 Pacific Islands 99  
 Teenage Mutant Ninja Turtles 99  
 The Arcade Game 99  
 TeleEpic 99  
 TeleGames 99  
 TeleGraphics International Tape I  
 Video Graphics Techniques 169  
 TeleGraphics International Tape II  
 Color Cycling Animation 169  
 TeleGraphics International Tape III  
 Digitizing For Effect 169  
 TeleGraphics International Tape IV  
 Amiga Hard Drives  
 The Complete Guide 169  
 TeleWar 99  
 Telewar II 99  
 Templicity™2.0 60  
 term2200 110  
 term6312 110  
 TerraForm 2.0 5  
 Terrain Editor 99  
 Test Drive 99  
 Tetra Quest 99  
 Tetris 99  
 TextEd 112  
 TextEd Plus 112  
 TextFiles Vols. I-IV 7  
 Texture City CD-ROM Image Library Pro 100  
 Texture City Image Library Pro 15.  
 Texture City Image Library Pro 60.  
 TGALink™ 8  
 The ACAD Translator 2.0 14  
 The Accountant 2.0 58  
 The Ad Game 43  
 The Addams Family 99  
 The Adventures of Sinbad 45  
 The Air Compressor 150  
 The American Heritage Illustrated  
 Encyclopedic Dict 154  
 The Amiga Coloring Book  
 Borders 17  
 Sampler 17  
 World 17  
 The Amiga Desktop Video Workbook  
 168  
 The Amiga Exchange 160  
 The Amiga Light Pen & Driver 138  
 The Amiga Primer 169  
 The Animation Classics Pack (bundle) 99  
 The Animation Studio 10  
 The Answer 110  
 The Application Base System (T.A.B.S.)  
 67  
 The ARexx Cookbook 166  
 The Art Department 25  
 The Art of Computer Systems  
 Performance 164  
 The Bard's Tale II  
 The Destiny Knight 99  
 The Bard's Tale III  
 Thief of Fate 99  
 The Beginners Guide to Art Department  
 Pro 2.+, Volu 169  
 The Bit Knitter 150  
 The Black Cauldron 99  
 The Bomac Tower 148  
 The Booking Agent 2.0 58  
 The Cardinal of the Kremlin 99  
 The Chaos Engine 99  
 The Chessmaster 2100 99  
 The Code Machine 104  
 The Colonel's Bequest 100  
 The Colony 100  
 THE COLOR KIT for Deluxe Paint 18  
 The Context Bible Concordance 108  
 The Context Bible Hypertext 108  
 The Cool ColorFont Collection 24  
 The Crossword Creator V1.1 100  
 The Cycles 100  
 The DataFlyer RAM 120  
 The Director Version 2 10  
 The Disk Labeler 57  
 The Disk Mechanic 67  
 The Duel  
 Test Drive II 100  
 The Educator Set  
 School-Sports, Maps, Political 26  
 The Engineer's Toolbox-Volume 1,  
 Graphic Tools 70  
 The Ergotron Design Station 158  
 The Ergotron Workstation Suspended  
 Radial Arm Compu 158  
 The Family Circus Video Workshop 155  
 The Fred Fish Collection CD ROM 155,  
 111  
 The Fred Fish Collection OnLine CD ROM  
 155, 111  
 The Game of Harmony 100  
 The Godfather 100  
 The Gold of the Aztecs 100  
 The Great Recipes of Italy with  
 Expandable Recipe F 105  
 The Hot-Key Authority 8  
 The Hunt for Red October 100  
 The Hyperchord Music Exploration Kit 38  
 The Illustrated Holy Bible 155  
 The Imagine Companion 164  
 The Keys to Maramon 100  
 The Killing Game Show 100  
 The King's Quest Companion, Second  
 Edition by Peter 163  
 The King's Quest Companion, Third  
 Edition by Peter 163  
 The Last Inca 100  
 The Legend of Sleepy Hollow 45  
 The Logic Master 50  
 The Lord of the Rings 100  
 The Lord of the Rings, Vol. II  
 The Two Towers 100  
 The Math Advantage 52  
 The MIDI Manual 164  
 The Musical Amiga 169  
 The New Basics Electronic Cookbook  
 155  
 The New Grolier Electronic Encyclopedia  
 155  
 The Night Before Christmas 155, 42  
 The Official Book of Kings's Quest, Third  
 Edition 163  
 The Official Book of Police Quest 163  
 The Official Guide to Jack Nicklaus  
 Computer Golf 163  
 The Official Guide to Roger Wilco's Space  
 Adventure 163  
 The Official Guide to Sid Meier's  
 Civilization 163  
 The Oxyd Book 163  
 The Paper Bag Princess 155, 42  
 International Version 42  
 The Perfect General 100  
 The Personal SFC 127  
 The Phantom 147  
 The Plague 100  
 The Playmaster's Compendium  
 The Official Hint Book 164  
 The Police Quest Casebook 164  
 The Portal Online System™ 157  
 The Producer Systems 125  
 The Publisher 29  
 The Reaper 68  
 The Revised Ultimate Hint Kit Vol. I 100  
 The Revised Ultimate Hint Kit Vol. II 100  
 The Rocketeer 100  
 The Scrolls of Talmouth 100  
 The Secret of Monkey Island 100  
 The Seryachi Campaign 100  
 The Sesame Street Crayon Series  
 Letters for You 45  
 Numbers Count 45  
 Opposites Attract 45  
 The SimEarth Bible by Johnny L. Wilson  
 164  
 The Space Quest Companion 164  
 The Super Sample Disk 31  
 The Switch Man 141  
 The Tale of Benjamin Bunny 155, 42  
 The Tale of Peter Rabbit 155, 42  
 International Version 42  
 The Talking Animator 10  
 The Talking Coloring Book 45  
 The Tarot Master 106  
 The Terminator 155, 101  
 The Third Courier 101  
 The Three Bears (story diskette) 45  
 The True BASIC Primer 166  
 The Ultimate Amiga Guide to Video  
 Production  
 Volume One 170  
 The Ultimate Guide to Video Production  
 Volume Two 170  
 The Untouchables 101  
 The Urban Pattern 164  
 The VT Genlock Enhancer 128  
 The Whole Internet User's Guide and  
 Catalog 164  
 The Wonders of the Animal Kingdom 46  
 The Word Master Vocabulary Builder 47  
 The Works! Platinum Edition 59  
 The World Symbol Library Vol 8 31  
 The World Symbol Library Volume 1 31  
 The World Symbol Library Volume 10 31  
 The World Symbol Library Volume 11  
 Medieval Symbols 31  
 The World Symbol Library Volume 12  
 African Symbols 31  
 The World Symbol Library Volume 13 31  
 The World Symbol Library Volume 14 31  
 The World Symbol Library Volume 15 31  
 The World Symbol Library Volume 16 31  
 The World Symbol Library Volume 17 31  
 The World Symbol Library Volume 19 31  
 The World Symbol Library Volume 2 31  
 The World Symbol Library Volume 20 31  
 The World Symbol Library Volume 21 31  
 The World Symbol Library Volume 22 31  
 The World Symbol Library Volume 3 31  
 The World Symbol Library Volume 4 31  
 The World Symbol Library Volume 5 31  
 The World Symbol Library Volume 9 31  
 Their Finest Hour  
 The Battle Of Britain 101  
 Them Cats 17  
 Theme Park Mystery 101  
 Thexder 101  
 Thinker 2.1.4 28  
 Thomas' Snowsuit 155, 43  
 Thunder Blade 101  
 Thunderboy 101  
 ThunderStrike 101  
 Tie Break Tennis 101  
 Tiger Cub 38  
 Time Bandit 101  
 Time Table of Business, Politics and  
 Media 155  
 Time Table of Science and Innovation  
 155  
 Timeless Text Adventures 101  
 Times of Lore 101  
 Timing for Animation 164  
 TIO Imagine Converter 8  
 Titan 101  
 TKB Series Trackball 138  
 TKB-A Series Crystal Trackball 138  
 TKF-7300J 150  
 The Connoisseur Fine Art Collection 155,  
 43  
 Toast and Coffee/Videographix Today  
 170  
 Toaster Cozzy 121  
 Toaster Crustacean Videos 169  
 Toaster Oven 121  
 Toaster to Tape 160  
 Toaster Toolkit 121  
 Tom Landry Football 101  
 Tomorrow Ships 10  
 ToolBox 500 149  
 Toolkit for The Director 12  
 Top Form II 59  
 TOP-SCAN 144  
 Topas Converter 8  
 Topaz CUB UPS 150  
 TorqueWare™ for the Amiga 107, 63  
 Total Control Diet 50  
 Touch It Static Mats 158  
 Touch Screen Driver 138  
 TouchLink 139  
 Tournament Disk for Leader Board 101  
 Town with No Name 155  
 TR-7 Remote 130

Tracers 101  
 Track 2 Option Module 101  
 Track Designer Option Module 101  
 Transporter 10  
 TransWrite 2.0 28  
 Traversal 50  
 Treasures of the Savage Frontier 101  
 Treble Pack 46  
 TRexx Professional 121  
 Trifecta 2000 118  
 Trifecta 500 118  
 Trigonometry 52  
 Triple Play Plus 147  
 Trivia 1 Expansion Disk for Discovery 55  
 Trivia 2 Expansion Disk for Discovery 55  
 Trivial Pursuit 156  
 True BASIC 3D Graphics 64  
 True BASIC Language System 63  
 True BASIC Sorting and Searching 64  
 True BASIC—A Complete Manual 166  
 True BASIC—Programs and Subroutines  
 64  
 TruePrint/24 34  
 TrueSTAT 52  
 TRUMP CASTLE 98  
 Trump Castle II 101  
 Trumpcard 500 AT 118  
 Trumpcard 500 Classic 116  
 Trumpcard Classic 116  
 Trumpcard Professional 116  
 ts-Prompt 23  
 TTL-Monitor-Cable 141  
 TTL-Monitor-Y-Cable 141  
 Tunnels of Armageddon 101  
 Tupni 50  
 Turbo 101  
 Turbo Silver 3.0 6  
 TURBO-Print-Professional 67  
 TurboText 63  
 Turrican 101  
 TV Display 18  
 TV GRAPHICS 9  
 TV GRAPHICS 2 9  
 TV Objects 7  
 TV Paint v1.6 16  
 TV Record 10  
 TV Tools 140  
 TV\*SHOW V2.0 22  
 TV\*Text Professional 22  
 Twelve Gauge 132  
 Twenty/Twenty Vision 105  
 Type-Ease 158  
 Typhoon of Steel 102

## U

U.S. Geography 49  
 U.S. Open Courses I 102  
 U.S. Open Courses II 102  
 UFO RC 1000 136  
 Ultima III 102  
 Ultima IV 102  
 Ultima Trilogy I-II-III 102  
 Ultima V 102  
 Ultima VI—The False Prophet 102  
 Ultimate Basketball 156  
 Ultimate Rock, Stone, & Mineral  
 Collection—Vols. 1 4  
 Ultimate Superstick 136  
 Ultimate Wood Collection—Full Set and  
 Sampler Set 4  
 Ultra DOS Utilities Module 1 68  
 Ultra-Fonts Volume 1,2,3 24  
 UltraDesign 14  
 UMS  
 The Universal Military Simulator 102  
 UMS II 102  
 Nations at War 102  
 The Planet Editor 102  
 Uninvited 102  
 United States - Lightwave Objects 122  
 Universal Joystick/Mouse Switch 158  
 Universe 3 102  
 UnMouse 3-inch x 5-inch Touch Tablet  
 139  
 UPS System (BC-series) 150  
 Using ARexx on the Amiga 166  
 Using DeluxePaint, 2nd Edition 164  
 Using MED, the Music Editor 164  
 Utopia - The Creation of a Nation 102

## V

V-LAN™ Driver 122  
 VADPAC VADPAC 160  
 Vampire's Empire 102  
 Vantage 141  
 Variety Cookbook 105  
 Vaxine 102  
 VCR 8, 8 Channel VCR Controller  
 Interface 142  
 VCR-ROM 125  
 Vector 132  
 Vegas Gambler 102  
 Vektor Storm 102

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Product

|                                      |  |
|--------------------------------------|--|
| Table of Contents                    | Vermont Seasons 23                                     |
| How To Use This Guide                | Vertex 1.62 8  |
| Graphic Arts                         | VGA-Monitor-Cable 141                                  |
| Desktop Video                        | VGA-Switch 141   |
| Word Processing                      | VGLD.001 Earth and Planets 26                          |
| Desktop Publishing                   | VGLD.002 Galaxies and Other Worlds 26                  |
| Music                                | VGLD.003 Video Backgrounds A 26                        |
| Education                            | VGLD.004 Video Backgrounds B 26                        |
| Business & Home Productivity         | VGLD.005 Birds, Up Close 26                            |
| Programming                          | VGLD.006 Auto Racing 26                                |
| Utilities                            | VGLD.007 Scenery Backgrounds 26                        |
| Entertainment                        | VGLD.008 Nature Backgrounds 26                         |
| Miscellaneous Software               | VidControl 127   |
| Drives                               | VidDISC 156  |
| Memory Expansion                     | Video Animation Controller 23                          |
| Video Toaster                        | Video Arts Teleprompting Systems 125                   |
| Video Hardware                       | Video Blender 128                                      |
| Accelerators                         | Video Calibration Set 26                               |
| Miscellaneous Hardware               | Video Clipse v1 24                                     |
| CDTV                                 | Video Clipse v1—3D FONTS 7                             |
| Accessories & Services               | Video Clipse v1.1—Spanish Version 24                   |
| Books & Tapes                        | Video Coach 43   |
| Freely Redistributable Software(FRS) | Video Crisper 127                                      |
| Cat Fish FRS Index                   | Video Digitizer 125                                    |
| Fred Fish FRS Index                  | Video Disk Mastering with Chapter Stops 140            |
| AMICUS FRS Index                     | Video Editing 160                                      |
| AC's Back Issue Index                | Video Effects 3-D 9                                    |
| Vendor/Product Registration          | Video Escort v2.0 57                                   |
| User's Groups                        | Video Fonts II 25                                      |
| Index of Advertisers                 | Video Interface Unit (VIU) for IV24 15                 |
| Vendor Information                   | Video Master 125                                       |
| Product Index by Product             | Video Music Box Ver. 1.6 38                            |
| Product Index by Vendor              | Video Network 43                                       |
| Category Index                       | Video Production Services 160                          |
| Last Minute Additions                | Video Services 161                                     |
|                                      | Video Textures and Backgrounds 4                       |
|                                      | Video Toaster 122                                      |
|                                      | Video Toaster 2.0 122                                  |
|                                      | Video Toaster System 130                               |
|                                      | Video Toaster Training Volume One 169                  |
|                                      | Video Toaster User Newsmagazine 170                    |
|                                      | Video Toaster Workstation 122                          |
|                                      | Video Toaster Workstation/30 122                       |
|                                      | Video Vegas 102  |
|                                      | Video Visions Titler/Wedding Set                       |
|                                      | The Video 170  |
|                                      | Video Visions Vol. 1                                   |
|                                      | The Titler V3.0 26                                     |
|                                      | Video Visions Vol. 10                                  |
|                                      | The Illustrator 26                                     |
|                                      | Video Visions Vol. 10 v2.0 The Illustrator-Animator 26 |
|                                      | Video Visions Vol. 11                                  |
|                                      | The Reporter 26  |
|                                      | Video Visions Vol. 12                                  |
|                                      | The Producer   |
|                                      | Religious-Political 26                                 |
|                                      | Video Visions Vol. 2                                   |
|                                      | Slidestream Slide Templates 31                         |
|                                      | Video Visions Vol. 2                                   |
|                                      | The 3D Animator V2.0 27                                |
|                                      | Video Visions Vol. 3                                   |
|                                      | The 2D Animator V2.0 27                                |
|                                      | Video Visions Vol. 4                                   |
|                                      | The Videographer V2.0 27                               |
|                                      | Video Visions Vol. 5                                   |
|                                      | Broadcast Sports 27                                    |
|                                      | Video Visions Vol. 6                                   |
|                                      | The Educator V2.0 27                                   |
|                                      | Video Visions Vol. 7                                   |
|                                      | The Advertiser 27                                      |
|                                      | Video Visions Vol. 9                                   |
|                                      | The Video-Musician 27                                  |
|                                      | Video Visions Volume 8                                 |
|                                      | The Videomaker 27                                      |
|                                      | Video-Link 158   |
|                                      | VideoDirector 23                                       |
|                                      | VideoFonts 25  |
|                                      | VideoMaster 128  |
|                                      | VideoShare 130   |
|                                      | Videostream 156  |
|                                      | VidGen 2.0 23  |
|                                      | Vidi Amiga 12 125                                      |
|                                      | VIDI-Mice 26   |
|                                      | Vidi-RGB 125   |
|                                      | Vidia Guide to DeluxePaint IV 164                      |
|                                      | Vidia Guide to PageStream 162                          |
|                                      | Vidia Guide to Professional Page 162                   |
|                                      | Vidia Image Library 4                                  |
|                                      | VidZeem Volumes 1 and 2 18                             |
|                                      | Viking Child 103                                       |
|                                      | Vikings Fields of Conquest 103                         |
|                                      | Virtual Reality Studio 6                               |
|                                      | Virtual Reality Studio 2.0 4                           |
|                                      | Visionary Programmer's Handbook 166                    |
|                                      | VisionModeller 3D v1.1 6                               |
|                                      | Vistapro 2.0 6   |
|                                      | Vistapro 3.0 10  |
|                                      | Vistem 140   |
|                                      | Visual Imaging 161                                     |
|                                      | VIU-CT 15  |
|                                      | VIVA (Visual Interfaced Video Authoring) 105           |

|  |
|--|
| VIVA II 105  |
| Vivid 24 Graphics Co-Processor 15                    |
| Viziflex Seels 159                                   |
| Vlaih 125  |
| VLO-920 Vocabulary Series One 47                     |
| VO-921 Vocabulary Series Two 47                      |
| Vocabulary Adventure I                               |
| The Castle of Treasures 47                           |
| Vocabulary Adventure II                              |
| The Labyrinth 47                                     |
| Vocabulary Adventure III                             |
| Marauders of the Lost Ark 47                         |
| Vocabulary Adventure Package 47                      |
| VocoderFX™ 40  |
| Volfied 103  |
| VOPEX 2V/4V/8V/16V 142                               |
| VOPEX-3A12H 141                                      |
| vortex ATOnce-Amiga v1.27 134                        |
| vortex ATOnce-Classic v2.33 134                      |
| vortex ATOnce-Plus 134                               |
| Vortex by Visionary Limited 103                      |
| vortex Golden Gate 134                               |
| vortex Golden Gate 486SLC 134                        |
| vortex Monitor Master 141                            |
| Voyager, The Dynamic Sky Simulator Version 1.1 54    |
| VR Slingshot 102                                     |
| VTX On-Line 110                                      |
| VuPort™ Computer/VCR Interface 127                   |
| VXL 30 132   |
| VXL RAM-32 (2MB/Burst) 120                           |
| VXL RAM-32 (8MB/Burst) 123                           |
| <b>W</b>   |
| WallyWare Cryptograms 55                             |
| War in Middle Earth 103                              |
| War in the Gulf 103                                  |
| Wargame Construction Set 103                         |
| Warlords 103   |
| Waveform Easel 40                                    |
| Wavefront Converter 8                                |
| WaveWriter 12  |
| Wayne Gretzky Hockey 103                             |
| Wayne Gretzky Hockey Data Disk 103                   |
| Wayne Gretzky Hockey-2 156                           |
| WD-915 Word Demons 47                                |
| WD-916 Usage Boners 47                               |
| Weave-It 111   |
| Weave-It Plus 111                                    |
| Wedding A-Brushes 23                                 |
| Wedding Bits 24 27                                   |
| Weird Dreams by Medalist International 103           |
| Welltris™ 103  |
| Western European Tour 103                            |
| Western Fonts 33                                     |
| Western Front—The Liberation of Europe 1944-1945 103 |
| Western Games 103                                    |
| Where in Europe is Carmen Sandiego? 103              |
| Where In the U.S.A. Is Carmen Sandiego? 103          |
| Where in the World is Carmen Sandiego? 103           |
| Where in Time is Carmen Sandiego? 103                |
| White Death 103                                      |
| Who Framed Roger Rabbit? 104                         |
| Who! What! When! Where! 57                           |
| WHOOSH! 12   |
| WILD STREETS 103                                     |
| Wild Wheels 104                                      |
| Will Vinton's Playmation 13                          |
| Willow 104   |
| Windwalker 104                                       |
| Winston Cup Trading Cards Database                   |
| Template 59  |
| Wisdom 64  |
| Wiz / AccuPoint™ 137                                 |
| Wiz Kid 104  |
| WJK.1-The Video Producers Learning Disk 18           |
| WolfPack 104   |
| Women In Motion 156                                  |
| Wonderland 104                                       |
| Word Construction Set 47                             |
| WordHai 104  |
| WordPerfect 4.1 28                                   |
| WordPerfect 4.1 Maintenance Update 112               |
| WordPerfect Library for Amiga 59                     |
| Words That Sound Alike 47                            |
| WordSync Interface for A2000 116                     |
| Wordworth 2 28                                       |
| Workbench 2.0 Enhancer Pack 67                       |
| World 3D 4   |
| World Atlas Version 2.5 49                           |
| World Circuit 104                                    |
| World Class Leader Board 104                         |
| World Class Soccer 104                               |
| World Geography Adventure I-IV 49                    |
| World Odyssey 49                                     |
| World Snooker 104                                    |
| World Symbol Library Vol.6 32                        |

|  |
|--|
| World Symbol Library Vol.7 32                        |
| World Tour, Africa 49                                |
| World Tour, Australia 49                             |
| World Tour, Canada 49                                |
| World Tour, Central America 49                       |
| World Tour, China, Far East 49                       |
| World Tour, Europe 49                                |
| World Tour, India 49                                 |
| World Tour, Russia/Western Asia 49                   |
| World Tour, South America 49                         |
| World Tour USA 49                                    |
| World Vista Atlas 156                                |
| Worlds At War 104                                    |
| WRAP SESSION 31                                      |
| Wrath of the Demon 156, 104                          |
| Wrist Support Line 159                               |
| WristMate 159  |
| WShell 2.0 67  |
| <b>X</b>   |
| X Window System for the Amiga 107                    |
| X-Cad 2000 14  |
| X-Cad 3000 14  |
| X-CAD Designer by CADVISION 14                       |
| X-Copy Tools 68                                      |
| X-Copy Tools Plus 68                                 |
| X-It 52  |
| X-Kit V1.2 9   |
| X-Lotto Professional 2.2 106                         |
| X-OR 39  |
| X-PORTER 3.1 14                                      |
| X-PRESS 170  |
| X-SHELL 3.3 14                                       |
| X-Specs 3-D Amiga System 137                         |
| X-Specs 3D Amiga Dev Kit 137                         |
| X-Specs 3D Generic 137                               |
| X-Specs 3D Glasses 137                               |
| X-Specs TV 137                                       |
| X-TENSION 160  |
| X001   |
| Vistapro Scapes-Mars Equatorial Region 10            |
| X002   |
| Vistapro Scapes—Simi Valley 10                       |
| X003   |
| Vistapro Scapes-Palmdale 10                          |
| X004   |
| Vistapro Scapes-Los Angeles 10                       |
| X005   |
| Vistapro Scapes—California Set-Inland Empire 10      |
| X006   |
| Vistapro Scapes—California Set-San Diego 10          |
| X007   |
| Vistapro Scapes—California Set-Orange County Area 10 |
| X008   |
| Vistapro Scapes—California Set-Yosemite North 10     |
| X009   |
| Vistapro Scapes-Yosemite South 10                    |
| X010   |
| Vistapro Scapes—Kings Canyon National Park 10        |
| X011   |
| Vistapro Scapes-Mineral King 10                      |
| X012   |
| Vistapro Scapes—Sequoia National Park 11             |
| X013   |
| Vistapro Scapes-Grand Canyon A 11                    |
| X014   |
| Vistapro Scapes-Grand Canyon B 11                    |
| X015   |
| Vistapro Scapes—Grand Canyon C 11                    |
| X016   |
| Vistapro Scapes—Grand Canyon D 11                    |
| X017   |
| Vistapro Scapes—San Francisco Bay Area 11            |
| X018   |
| Vistapro Scapes—Vail, Colorado 11                    |
| X019   |
| Vistapro Scapes-Breckenridge, Colorado 11            |
| X020   |
| Vistapro Scapes-Aspen, Colorado 11                   |
| X021   |
| Vistapro Scapes-Colorado River A 11                  |
| X022   |
| Vistapro Scapes-Colorado River B 11                  |
| X023   |
| Vistapro Scapes—Colorado River C 11                  |
| X024   |
| Vistapro Scapes—Colorado River D 11                  |
| X025   |
| Vistapro Scapes—Appalachian Trail, Virginia 11       |
| X026   |
| Vistapro Scapes—Glacier National Park, Montana 11    |
| X027   |

|   |
|---|
| Vistapro Scapes—Snake River, Idaho and Wyoming 11   |
| X028  |
| Vistapro Scapes—Jackson Hole, Wyoming 11            |
| X029  |
| Vistapro Scapes-Old Faithful, Wyoming 11            |
| X030  |
| Vistapro Scapes—Scenic Vistas, Wyoming 11           |
| X031  |
| Vistapro Scapes-Mt. Michelson, Alaska A 11          |
| X032  |
| Vistapro Scapes-Mt. Michelson, Alaska B 11          |
| X033  |
| Vistapro Scapes-Central California 11               |
| X034  |
| Vistapro Scapes—California Scenes 11                |
| X11 R4 LDS 63                                       |
| XB-2420 Multi-Font 143                              |
| XB-2425 Multi-Font 143                              |
| Xenolink 110  |
| Xenophobe by Medalist International 104             |
| XII Programmer's System for the Amiga 63            |
| XModem Serial/Modem Driver for InfoChannel 110      |
| Xpander-Built-Chassis 149                           |
| XR-1020 Multi-Font 143                              |
| XR-1520 Multi-Font 143                              |
| XTRACTOR+ 141                                       |
| XView Programmer's Toolkit for Amiga 64             |
| XY128RW 3.5-Inch Erasable Optical Subsystem 117     |
| XY600RW 117   |
| XY600RW-HS 5.25-Inch Erasable Optical Subsystem 117 |
| <b>Y</b>  |
| Your Family Tree 2.2 107                            |
| Your Family Tree Companion 107                      |
| <b>Z</b>  |
| Zak McCracken And The Alien Mindbenders 104         |
| Zero Gravity 104                                    |
| Zero Virus III Version 1.12 69                      |
| Zero-G Datafiles 38                                 |
| Zeus 2000 132                                       |
| Zoetrope 11   |
| Zoomer 90806 (Analog/Digital) 136                   |
| Zoomer™ 40406 136                                   |
| Zorc Zero 104                                       |
| Zorro II-III Prototyping Board 136                  |
| Zorro II/III Extender Card 133                      |
| Zuma Fonts Pack I & II 25                           |

# Product Index by Vendor

## 3 Leaf Productions

Helpful Lightwave Hints 170  
3-Dimensional Video Service 160

## 80 Track Software

300 Fonts 32  
80 Track Public Domain Catalog Disk 106

## A

### A+ Development

AutoPaint 20, 3, 121

### A+L AG

Amiga Oberon 61  
M2 Debug 65  
M2Amiga 62  
O Debug 65

### A-R Editions

Compact Disc Handbook, 2nd Edition 166  
MIDI  
A Comprehensive Introduction 166  
Synthesizer Performance and Real-Time Techniques 166

### A.D.I.

AQ4882A Kit 145

### Abacus Software

Amiga C for Beginners 165  
Amiga Desktop Video Power 167  
AmigaBASIC Inside & Out 165  
AmigaDOS Inside & Out Revised 166  
AssemPro 61  
Best Amiga Tricks & Tips 165  
Using ARexx on the Amiga 167

### Absoft Corp.

AC/BASIC 1.3 61  
AC/FORTRAN 61  
FORTRAN/O2O 62  
Echelon 80  
Famous Courses Disk Volume. See 1  
Heavy Metal Modern Land Combat 84  
Leader Board 87  
LINKS 87  
Mean Streets 89  
Tournament Disk for Leader Board 101  
World Class Leader Board 104

### Access Technologies, Inc.

DigiWorks 3D 8  
Fancy 3D Fonts 7  
The ACAD Translator 2.0 14

### Accolade

4th & Inches 71  
4th & Inches Team Construction Disk 71  
Altered Destiny 72  
Blue Angels 74  
Bubble Ghost 75  
Buck Rogers  
Matrix Cubed 75  
California Challenge 75  
Day of the Viper 79  
Elvira II  
The Jaws of Cerberus 80  
Elvira, Mistress of the Dark 80  
European Challenge 80  
Fast Break 81  
Grand Prix Circuit 83  
Gunboat  
River Combat Simulation 83  
HardBall II 83  
Heat Wave 84  
HoverForce 85  
Jack Nicklaus' Course Designers Clip Art v1 86  
Jack Nicklaus' Greatest 18 Holes of Golf 86  
Jack Nicklaus' International Courses 86  
Jack Nicklaus Presents the Great Championship Course 85  
Jack Nicklaus Presents the Great Courses of the U.S 85  
Jack Nicklaus Presents The Major Championship Course 85  
Jack Nicklaus Presents The Major Championship Course 85  
Jack Nicklaus' Unlimited Golf & Course Design 86  
Les Manley In  
Search for the King 88  
MEAN 18 88  
Muscle Cars 90  
Shoot 'Em Up Construction Kit 96  
Star Control 97  
Stratego 98  
Strikes Aces  
International Bombing Competition

98

Supercars 98  
Test Drive 99  
The Cycles 100  
The Duel  
Test Drive II 100  
The Game of Harmony 100  
The Third Courier 101

### ACDA Corporation

Ameege-FFT C Package 61  
Ameege\_GMPB 145  
AmeegeView™ V2.1 64  
DataStation-A/D + D/A + TIMER v2.0 145  
DataStation-A/D+DIO+TIMER v2.0 145  
DataStation-A/D+TIMER v2.0 145  
DataStation-D/A v2.0 145  
DataStation-D/A+DIO v2.0 145  
DataStation-D/A+DIO+TIMER v2.0 145  
DataStation-D/A+TIMER v2.0 145  
DataStation-DIO Digital Input/Output v2.0 145  
DataStation-DIO+TIMER v2.0 145  
DataStation-FC v2.0 145  
DataStation-Terminal Strip & Cabling 145  
DataStation-TIMER v2.0 145  
DigIScope Plus 145  
Shinko & Mitsubishi Preferences 1.3  
Printers Driver 34

### ACE-PYX Computer Services

Zero-G Datafiles 38

### Action Graphics

35mm Color Slides and Imaging Services 160  
Amiga Training and Support 159

### Activa International B.V.

CAPS XL 139  
MediaLink 3.0 21  
MediaLink Remote Access Module 21, 110  
RaceTrace 4  
SpaceFonts 7

### Active Circuits, Inc.

CineLink™ 8  
Magnum/650™ 117  
RasterLink™ (formerly ImageLink) 8  
TGALink™ 8

### ADDDesign

ADDDesign Layout & Forms Templates, Vol. 1 59  
ADDDesign Layout & Forms Templates, Vol. 1 59

### Addison-Wesley Publishing Co.

Amiga Hardware Reference Manual, 3rd Ed. 165  
Amiga ROM Kernel Reference Manual Devices, 3rd Ed. 165  
Includes and Autocodes, 3rd Ed 165  
Libraries, 3rd Ed. 165  
Amiga User Interface Style Guide 165

### Additional Ideas, Inc.

Keyboard Kaddy 158

### Address It! 58

### Adept Development

Digital Studio 36  
Real-Time Sound Processor 40

### Adspec Programming

Aladdin 4D 19, 5, 9

### Advanced Creations Incorporated

Aplot Library 18  
ConvertAplot 18  
GenAplot 70  
The Engineer's Toolbox-Volume 1, Graphic Tools 70

### Advanced Electronic Applications, Inc.

Amiga Video Terminal (AVT) System 136

### Advanced Gravis Computer Technology Ltd.

Amiga/MouseStick 135  
Gravis Amiga GamePad 135  
Gravis Switch Joystick 135

### Advanced Image

Computer Imaging Systems 135  
Mouse Control 138

### Advanced Integration Research

Air A1000 113  
Air A1010 113  
Air A2010 113  
Air A3020 113  
Air A5010 113  
Air IBM2000HD 113  
Air IBM3000HD 113  
Air ROM matic 147  
Air Traffic Controller 147  
Keyboard Adapter 149

The Air Compressor 150

### Advanced Learning Center

Advanced Learning Center 159

### Advanced Software Engineering

Spells-It-Right 67

### Advanced Thinkware Designs

Instinct 64  
Wisdom 64

### Airscape Software

Housemate 2.0 56

### AirStream Graphics

Pull 24 121

### Airwave Adventure

Murder Makes Strange Deadfellows 151, 72  
The Case of the Cautious Condor 151, 72

### Alabama Computers, Inc.

T+3 133

### Alfa Data

Alfa Scan Plus 144  
CLM Series infra-red (IR) Cordless Mouse 138  
FDD Series External fdd 113  
HSC Series 105mm B/W Hand Scanner 144  
OMM Series Opto-mechanical Mouse 138  
OPM Series Optical Mouse 138  
RA5 Series Internal RAM Card for Amiga 500 120  
SWB-M-BT Boot Selector 147  
SWB-M-KS KickStart Switch 147  
SWB-MJ Auto Mouse/Joystick Switch 147  
TKB Series Trackball 138  
TKB-A Series Crystal Trackball 138

### ALLMed

Extension Keyboard Wrist Rest 158

### ALL PRO Film/Video Productions

ALL PRO Film/Video Productions 160

### Allen Avionics, Inc.

TDL487 Video Delay Line 121  
TDL488-T Video Delay Line 121

### Allied Studios

1st Prize Toasted Fonts 122  
Condensed Fonts 32  
Custom PostScript® Fonts 24  
Fancy Fonts 32  
Fun Fonts 24  
PostScript® Fonts Conversion 24  
ProStream PostScript Type-1 Fonts 33  
Western Fonts 33

### AlohaFonts

eclips 1 EC1-AME 32  
eclips 1 EC1-AMP 32  
eclips 2 EC2-AME 32  
eclips 2 EC2-AMP 32

### AltoFirma Software

MultiTrace 1.0 63

### Amazing Computers

DM Music 146  
Pro MIDI 1000 147  
Pro MIDI 500/2000 147  
Pro Port Analyzer 133  
Pro ROM Switcher 133

### Ambitious Technologies

Toaster Oven 121

### Ambrosia Microcomputer Products, Inc.

R/C Aerocopter Flight Simulation System 94

### American Ink Jet

Compujet Ink Refills 144  
Compujet Paper and Transparency 144

### American Software Distributors

X-CAD Designer by CADVISION 14

### American Vista Multimedia Atlas 151

### Ameristar Technologies, Inc.

1600GX Graphics Board 137

### Amidi Systems Inc.

Amidi Serial Vector Library/ MIDI Sysex Lib 39  
SampleLib 40  
SampleXfer v2 127

### Amiga C Club

Amiga C Encyclopedia 165

### Amiga Centre Scotland

ACS Harlequin 32 Bit FrameBuffer 127  
ACS Harlequin 32-Bit Graphics Package 15  
ACS Harlequin Genlock 128  
ACS Harlequin Genlock with Composite 128  
ACS Harlequin Workstation 124  
MS-P3400 124  
TV Display 18  
TV Paint v1.6 16

TV Record 10

TV Tools 140

### Amiga Exchange of Connecticut

The Amiga Exchange 160

### Amiga Hoy Internacional

Amiga Hoy Internacional 106

### Amiga Tech

APLOT2D-The Amiga Professional Plotting Package 18

### AMIGA Tech Scientific Applications

APLOT2D 18

### AmigaMOP Test Management Package Version 2 65

### Amigo Business Computers

12-inch Interactive Laser CheckDiscs 157  
Amigo MultNet 141  
AmigoArcNet 141  
AmigoEtherNet 141  
AmigoModemNet 109  
AmigoNet 141  
Comports 8, RS-232 Communications Interface 142  
EDL Archiving Module 26  
EdMark Touch Window 139  
EModem Ethernet Driver for InfoChannel 109  
EX Drivers 109  
Future Touch Integrated Touch Screen Monitors 139  
Interactive Laser CAV Masterdiscs 157  
KickWork 2.0 + DOS 2.0 66  
Kiosk-Economy Directory 140  
Kiosk-Exhibitor 140  
Kiosk-Multimedia 140  
Kiosk-Presenter 140  
LaserView Laser Disc Player 124  
MediaPro Interactive Multimedia Controller 124  
UnMouse 3-inch x 5-inch Touch Tablet 139  
VCR 8, 8 Channel VCR Controller Interface 142  
XModem Serial/Modem Driver for InfoChannel 110

### AniGrafix, Inc.

Exotic Cars Volumes I & II 6

### Amatrix Development

SCSI-TV 156

### AMOS America

AMOS PD 61

### AniGraphics

Amiga Animation and Graphics Services 160

### Animated Pixels

Illustrated Shakespeare 153  
Illustrated Sherlock Holmes 153  
The Illustrated Holy Bible 155

### Animates

Wedding Series Vol. 1 19  
Wedding Series Vol. 2 19

### Anjon & Associates

Animation Journeyman Starter Kit v1.1 12

### Anti Gravity Products

Motion Man 121

### Anti Gravity Workshop

Amiga-Based Animation and Graphics 160

### Apex Software Publishing

Essence 8

### Applied Creative Arts

Applied Creative Arts 160

### Applied Optical Media Corp.

American Vista Multimedia Atlas 151  
World Vista Atlas 156

### APROTEK

Minimodem-AM24 140

### Argonauts

Argonauts 170

### ARock Computer Software

Masterpiece 3D Fonts for Imagine 7  
Masterpiece 3D Fonts for LightWave 123  
Masterpiece 3D Fonts in Interfont Format 7  
Masterpiece Anti-Aliased Font Collection 24  
Masterpiece Professional Font Collection 24  
Masterpiece Toaster CG Fonts 123

### Art Gallery

Fantasy 30

### Art Instruction Software

Principles of Composition 4

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Vendor

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

## Artistic Software, Inc.

ArtisticCLIPS 30  
**ArtoVijet**  
 OLO Animated Fonts 1 12  
 OLO Animated Fonts 2 (Glider) 12  
 OLO Animated Fonts 3 (Gold) 12  
 Olo Backs 1 21  
 Olo Backs 2 21  
 Olo Fonts Collection 1 24

## Artworx

Bridge 6.0 75  
 Centerfold Squares 76  
 Colossus Chess X 77  
 Daily Double Horse Racing 78  
 Jigsaw Puzzlemania 86  
 Kaleidokubes 86  
 Linkword Languages 48  
 Strip Poker III 98  
 World Snooker 104

## ASCITEC

CATFISH  
 Fred Fish Disk Library Cross-Reference 106

## ASDG, Inc.

Art Department Professional 2.3 25  
 Art Department Professional Conversion Pack 25  
 CygnusEd Professional 3.0 64  
 Dual Serial Board 142  
 EB920 148  
 EPSON Scanner Driver 144  
 Facc II 113  
 HP Scan Jet IIc Scanner Driver 126  
 KODAK SV6510 Driver 143  
 Lasergraphics LFR Driver 25  
 MorphPlus 25  
 Polaroid CI-3000/CI-5000 Driver 149  
 Professional Scan Lah II 126  
 SHARP JX-100 DRIVER 149  
 SHARP JX-300, 320, 450, 600 Driver 149  
 The Art Department 25  
 TruePrint/24 34

## Asimware Innovations

AsimCDFs 111  
 AsimVTR 9

## ATOP

80386 20-MHz Bridgeboard Enhancer 133  
 Bridgeboard AnyRam Card 133  
 Bridgeboard Combo Drive 134  
 Bridgeboard Math Enhancer 134  
 Bridgeboard Monitor Switch Kit 134  
 Bridgeboard Multifunction Board 134

## AugMenTek

TorqueWare™ for the Amiga 107, 63

**Avalon Hill Game Company, The**  
 Computer Third Reich 77

## Avant-Garde Software

Benchmark Modula-2 62  
 C Language Library 65  
 IFF and Image Resource Library 65  
 Modula-2 and the Amiga 64  
 Simplified Amiga Library 65  
 Source Level Debugger and Tools 65

## Avatar Consulting

Heart of the Dragon 84

**AVID, The Amiga-Video Journal 170**

AVID, The Amiga-Video Journal 170

## Avocet Systems, Inc.

Avocet 68000 Family Assembler 61

## Axiom Software

Anim Workshop 3  
 Pixel 3D Professional 4

## Aztek Media Services

BITPIX—Series One 25  
 BITPIX—Series Two 25

## B

## Bantam Electronic Publishing

AmigaDOS Manual, Third Edition 162

## Barry Weber

Aural Intervals 40  
 DWEL 38  
 Guitar Chords 40

## Basement Recordings 159

Basement Recordings 159

## Bassett Geographic

Choromap 49

## BattleTech

The Crescent Hawk's Inception 73

## Baudville

Award Maker Cartoon Library 33  
 Award Maker Education Library 33  
 Award Maker Plus 33  
 Award Maker Sports Library 33  
 Video Vegas 103

## BCD Associates

BCD-2000A 126  
 BCD-5000 126

## Bearded Wonder Graphics

Ultimate Rock, Stone, & Mineral

Collection—Vols. 1 4  
 Ultimate Wood Collection—Full Set and Sampler Set 4

## Beeshu, Inc.

Hot Stuff 136  
 Ultimate Superstick 136  
 Zoomer 90806 (Analog/Digital) 136  
 Zoomer™ 40406 136

## Benetech Electronic Supply, Inc.

6004-23 134  
 CA-23-MF/3 134  
 CA-23-MF/6 134  
 CA-4920 SCSI 2 Drive 134  
 D-23P 134  
 D-23S 134  
 Standard SCSI Cable- CA-4910 134

## Best Power Technology

Remote Control Panel (RCP) 150

## Beta Unlimited

AudioLink™ 146

## Bethesda Softworks

Amiga Mouse 138  
 GRIDIRON! 82  
 NFL DataDisk 90  
 SLAPSHOT! 95  
 The Terminator 155, 101  
 Wayne Gretzky Hockey 103  
 Wayne Gretzky Hockey Data Disk 103  
 Wayne Gretzky Hockey-2 156

## Better Concepts

XTRACTOR+ 141

## Bevel Fonts 3D 7

## Beverly James Products/Perspective Software

CNet Amiga v2.20 Electronic Bulletin Board System 109

## Bigfoot Software

EnCopy 67  
 Investors Companion 59  
 The Booking Agent 2.0 58

## Bill's Boards

BusExpander™ 142

## Biography Corporation, The

Toaster to Tape 160

## Biology By Martha

Human Biology CE 43  
 Human Biology HSE 43  
 Invertebrate Animals CE 43  
 Invertebrate Animals HSE 43  
 Microbiology CE 43  
 Microbiology HSE 43  
 Plants CE 43  
 Plants HSE 43  
 Reproduction CE 43  
 Reproduction HSE 43  
 Vertebrate Animals CE 43  
 Vertebrate Animals HSE 43

## BIX

BIX 159

## Black Belt Systems

Board Master v1.19 13  
 ClickFAX v2.05 136  
 Imagemaster v9.19 25  
 NoteBook v1.10 57  
 Packetern 110

## Black Knight Peripherals

S.A.M. 37

## Blue Ribbon SoundWorks Ltd., The

Bars&Pipes 35  
 Bars&Pipes MusicWare Collection 35  
 Bars&Pipes Professional 35  
 Bars&Pipes Professional 2.0 35  
 Bars&Pipes Professional V1.0e 35  
 Creativity Kit 35  
 Internal Sounds Kit 36  
 Media Mogul 36  
 Multi-Media Kit 36  
 MusicBox A 37  
 MusicBox B 37  
 PatchMeister v1.0c 39  
 Pro Studio Kit 37  
 Rules for Tools 37  
 SuperJAM! Extras Disks 38  
 SuperJAM! v1.1 38  
 SyncPro 146  
 Triple Play Plus 147  
 Who! What! When! Where! 57

## Blues and Video Productions

Industrial Video Graphics 170  
 Pop Video 170

## BOING

BOING! Jacket 157  
 BOING! Mouse 138

## BOMAC

The Bomac Tower 148

## Boone Technologies, Inc.

ezAD 145  
 ezMOTION 133

## Bose Corporation

RoomMate Computer Monitor 158

## Brain Technologies Co.

Mr. Robot's Speak'n Spell 46  
 Pix Lib 16

## Brantford Educational Services

Learn Amiga BASIC All By Yourself, Volume 1 165  
 Learn Amiga BASIC All By Yourself, Volume 2 165  
 Learn AmigaDOS All By Yourself! 162

## BRESC Software

Rune Sight v 1.0 106

## Broderbund Software Inc.

Prince of Persia 93  
 Shufflepuck Cafe 96  
 Where in Europe is Carmen Sandiego? 103  
 Where In the U.S.A. Is Carmen Sandiego? 103  
 Where in the World is Carmen Sandiego? 103  
 Where in Time is Carmen Sandiego? 103  
 WolfPack 104

## Brookfield Communications

NoRad Shield 140

## Bruce Smith Books

Insider Guide to the A600 167  
 Mastering Amiga Beginners 167  
 Mastering Amiga—AREXX 167  
 Mastering Amiga-AmigaDOS 2, Vol. One (Tutorial) 167  
 Mastering Amiga-AmigaDOS 2, Vol. Two (Reference) 167  
 Mastering Amiga-AMOS 167  
 Mastering Amiga-Assembler Programming 166  
 Mastering Amiga-C 167  
 Mastering Amiga-Printers 164  
 Mastering Amiga-System Programming 166  
 Mastering Amiga-Workbench 2 167

## BSM Software

The Code Machine 104

## BTFSOFTWARE (see also Jumpdisk)

FASTFACTS Trio  
 The United States, The Solar System, & The Element 55

## Buck Rogers

Countdown to Doomsday 75  
 Matrix Cubed 75

## Byte Factory, The

Toaster Toolkit 122

## Bytes and Bullets

DataEasy v1.4 56  
 DataPlot v 2.1 18

## C

## Cachet Software

X-Copy Tools 68  
 X-Copy Tools Plus 68

## California Dreams

Blockout 74  
 Street Rod 98  
 Street Rod 2 98  
 Tunnels of Armageddon 101  
 Vegas Gambler 102

## CALLIGRAPHY FONTS

Paint 17  
 Video 122

## Canadian Prototype Replicas

Alan-FS 141  
 CDROM-FS 150

## Canadian Software Developers

PSFont 2.0 34

## Cancor

Mathasaurs 52  
 Mathasaurs II 52

## Capstone

An American Tail 72  
 Bill & Ted's Excellent Adventure 74  
 FernGully-The Computerized Coloring Book 16  
 Home Alone 84  
 Home Alone-The Computerized Coloring Book 16  
 Rock-A-Doodle - The Computerized Coloring Book 16  
 The Cardinal of the Kremlin 99  
 Trump Castle II 101

## Carina Software

Voyager, The Dynamic Sky Simulator Version 1.1 54

## CATFISH

Fred Fish Disk Library Cross-Reference 106

## CDTV Publishing

Defender of the Crown 152  
 Dr. Wellman 152  
 Gardenfax  
 Fruit, Vegetables & Herbs 152  
 Garden Plants 152  
 Indoor Plants 152  
 Trees, Shrubs, Roses & Conifers 153  
 Guinness CDTV Disc of Records 153

Many Roads To Murder 153  
 Mind Run 153  
 Murder Anyone? 153  
 Music Maker 153  
 The New Grolier Electronic Encyclopedia 155

## Celestial Systems

Zorro II-III Prototyping Board 136

## Centauro Software, Inc.

B.A.D. 66  
 Coloring Disk. See 1-Alphabet; 2-Majelick  
 CSI 5500-BOING! Optical Mouse 138  
 D.U.D.E. 66  
 DCTV—A Guided Tour 168  
 Fantastic Voyage 152, 81  
 Imagine-A Guided Tour 169  
 MindLink 110  
 My Paint 55  
 My Paint 2.0-The Paint Program Just For Kids 44  
 My Paint Coloring Disk. See 1; 2  
 Opal Vision Video Processor 124  
 OpalVision 124  
 OpalVision Scan rate Converter 124  
 OpalVision Video Suite 124  
 Personal Fonts Maker 112  
 Personal Write 28  
 PIXOUND™ 37  
 World Atlas Version 2.5 49

## Central Coast Software

DOS-2-DOS 3.5 68  
 MAC-2-DOS 1.1 69  
 Quarterback 5.0 68  
 Quarterback Tools 1.5 69

## Centurion

Defender of Rome 76

## CeV Design

24B-24 Bit Maps- U.S. 25  
 Animated Action Disks 25  
 Background Bits 24 121  
 Background Bits 24-Graduated Backdrops 25  
 CeV Design Services 160  
 The Cool ColorFont Collection 24  
 The Educator Set  
 School-Sports, Maps, Political 26  
 Video Visions  
 MultiVisions 27  
 The Animator Set 27  
 The Mixed Set 27  
 The Studio Set 27  
 The Tiler Set 27  
 The Wedding Set 27  
 Video Visions Tiler/Wedding Set  
 The Video 170  
 Video Visions Vol. 1  
 The Tiler V3.0 27  
 Video Visions Vol. 10  
 The Illustrator 26  
 Video Visions Vol. 10 v2.0 The  
 Illustrator-Animato 26  
 Video Visions Vol. 11  
 The Reporter 26  
 Video Visions Vol. 12  
 The Producer 26  
 Video Visions Vol. 13  
 Slidestream Slide Templates 31  
 Video Visions Vol. 2  
 The 3D Animator V2.0 27  
 Video Visions Vol. 3  
 The 2D Animator V2.0 27  
 Video Visions Vol. 4  
 The Videographer V2.0 27  
 Video Visions Vol. 5  
 Broadcast Sports 27  
 Video Visions Vol. 6  
 The Educator V2.0 27  
 Video Visions Vol. 7  
 The Advertiser 27  
 Video Visions Vol. 9  
 The Video-Musician 27  
 Video Visions Volume 8  
 The Videomaker 27  
 Wedding Bits 24 27  
 Xpander-Built-Chassis 149

## Circuits and Software

AnaMouse 156  
 DIGI-SOUND Stereo Audio Digitizer 146  
 Keyboard Adapter Cable 156

## Clackamas Computers

Amiga Instruction Course 168

## CLASSIC CONCEPTS Futureware

A\*Video Professional Font System 1.0 122  
 Amiga Embroidered Crest 157  
 AniVideo Fonts 2.0 122  
 CALLIGRAPHY FONTS  
 Paint 17  
 Video 122  
 CLASSIC CONCEPTS 161  
 Cyrillic Alphabets 2.3 48  
 EUROFONTS VIDEO

# Product Index by Vendor

French/Spanish/Italian 24  
German/French 24  
German/Hungarian 24  
Master Kit 24  
Scandia 24  
INTERNATIONAL FONTS 48  
Julie Petersen  
Computer Graphics and Design Skills 161  
Professional Font Library 4.4 24  
Professional Font Upgrade 18  
StoryBook Capitals 3.0 17  
SuperFont Sampler 3.0 112  
**Cliffs Notes StudyWare Corporation**  
StudyWare for the GRE 55  
StudyWare for the SAT 55  
**Coast to Coast Technologies**  
Action Replay 149  
Synchro Express 133  
**Cocheville Design Studio**  
Art Disks for Fashion 3  
Designing Knits on Your Home Computer 164  
Jacquard Color Separation Program 110  
Knit Editor Program 110  
The Bit Knitter 150  
**Comeau Computing**  
CCsh 62  
Comeau C++ 3.0.1 With Templates™ 62  
**Commodore Business Machines**  
1084S Monitor 140  
1960 Multiscan Color Monitor 140  
1988 Amiga Developers Conference Notes 166  
1989 Amiga Developers Conference Notes 165  
A1011 3.5 Floppy 113  
A2010 3.5-inch Internal Floppy 113  
A2058 RAM Expansion Board 119  
A2091 118  
A2232 142  
A2300 Genlock 128  
A2386SX Bridgeboard 133  
A2630/4-68030 Processor Board 131  
A3000T-040/200 135  
A3010 Amiga Internal Floppy Drive 113  
A3640 Amiga 68040 Processor Board 131  
A4000-030/120 135  
A4000-040/120 135  
A500/A2000 Technical Reference Manual 166  
A520 RF Modulator 127  
A570 CD-ROM Drive 150  
A600HD40 135  
A601 RAM Expander 123  
Amiga 1000 Schematics and Expansion Specifications 166  
Amiga 1200 or 1200HD/40 135  
Amiga 2000C 135  
Amiga 3000-25/50 or 25/100 135  
Amiga 3000T-25/100 or 25/200 135  
Amiga 600 135  
Amiga Arcnet Network Adapter (A2060) 141  
Amiga Ethernet Network Adapter (A2065) 141  
Amiga Logo 61  
AmigaDOS 2.1 Upgrade Kit 61  
AmigaDOS v2.0 Native Developer Update 64  
AmigaMail Vol. 1 170  
AmigaVision Professional 104  
AS225 Network Communications Software 141  
AS260 Amiga Clips, Volume 1 Sound Effects 39  
CD1200 Trackball Controller 156  
CD1300 Video Genlock Cards 156  
CD1400 CD Caddies 156  
CD1500-CDTV Professional Pack 156  
CDTV-CD1000 152  
Display Enhancer Board (A2320) 124  
Janus 2.1 134  
MPS-1270 Ink Jet Printer 143  
Personal Memory Cards 156  
Programmer's Guide to AREXX (with disk) 166  
**Commodore Computers**  
3-D Vector Objects/Fonts 5  
The Producer Systems 125  
X-Kit V1.2 9  
Xenolink 110  
**Communication Systems Engineering**  
ProImage V2.0 65  
**Complications**  
PowerMaster 107  
**Compton's New Media**  
Designasaurus 41  
Jigsaw! The Ultimate Electronic Puzzle 86  
**Compu Animate**  
LightWave Single Frame Utility 8

**Compute Publications**  
A Flight Simulator Odyssey 162  
Advanced AmigaBASIC 165  
Amiga Desktop Video, 2nd Edition 167  
AmigaDOS Reference Guide, Fourth Edition 162  
Denny Atkin's Best Amiga Tips and Secrets 162  
Hints, Maps, and Solutions to Computer Adventure Ga 163  
Kids and the Amiga, 2nd Edition 164  
Mapping the Amiga 165  
Official Guide to Sid Meier's Railroad Tycoon 90  
Pro Links  
The Official Guide to LINKS and Microsoft Golf 163  
The Official Book of Kings's Quest, Third Edition 163  
The Official Book of Police Quest 163  
The Official Guide to Jack Nicklaus Computer Golf 163  
The Official Guide to Roger Wilco's Space Adventure 163  
The Official Guide to Sid Meier's Civilization 163  
Using DeluxePaint, 2nd Edition 164  
**Computer Basics, Inc.**  
Beetle Mouse 138  
**Computer Coverup, Inc. 158**  
14-Piece Tool Kit 157  
Adjustable Copy Clip With Line Guide 157  
Adjustable Foot Rest 157  
Computer Coverup, Inc. 158  
Covergear 158  
Touch It Static Mats 158  
Wrist Support Line 159  
**Computer Creations**  
Qsolve 1.0 93  
**Computer Sight**  
One to One Match 91  
**Computer Third Reich 77**  
**Computer Video Solutions, Inc.**  
ChannelVision Cable TV Systems 130  
CVS Media Device Controllers 25  
Express Image 126  
RouteMaster RM4X4VC 121, 127, 129  
**Computerware**  
Accounts Payable 57  
Accounts Receivable 57  
Check Ledger 58  
General Inventory System 58  
General Ledger 58  
Payroll 58  
Point-of-Sale Inventory 58  
**Comspec Communications**  
ARM 1000 149  
AX 1000/AX 2000 RAM Board 119  
Microshare MCS 1050 142  
Microshare MCS 8004/MCS 8008 144  
SA 1000 115  
SA 2000 115  
SA 500 115  
SA Enhancer Kit 55  
SA Upgrade Kit 149  
VideoShare 130  
**Conceptual Computing**  
Amiga Multi-User Software 66  
**Conceptually Advanced Technologies**  
Software From Hell 65  
The Reaper 68  
**Concise Logic**  
Scannery 150  
**Consultron**  
Ambassador 68  
CrossDOS Version 5 68  
CrossPC 68  
**Contact 2.0 58.**  
**Context Systems, Inc.**  
Basketball 151  
The Family Circus Video Workshop 155  
Ultimate Basketball 156  
**Cortex Design Technologies Ltd.**  
Cortex 512K RAM Expansion for A500 119  
Cortex 8MB RAM Expansion for A1500/A2000 119  
Cortex 8MB RAM Expansion for A500/A1000 119  
Cortex External 3.5-inch Floppy Drive 113  
**Cottage Software**  
Lavandiss Role-Playing Game System 87  
**CP Productions**  
Me and My Amiga  
An Introduction 169  
NewTek's VideoToaster  
The Ultimate Guide 170  
On-Line Studio 26  
The Ultimate Amiga Guide to Video Production  
Volume One 170

The Ultimate Guide to Video Production  
Volume Two 170  
**CRC Productions**  
image fonts 01 8  
**Creative Focus**  
DJ Fonts Volume II 32  
DJFonts Volume I 32  
DJHelper 66  
SilverClips 31  
Super-DJ2 143  
Them Cats 17  
**CREOTEC Corporation**  
VidDISC 156  
**Crystal Rose Software**  
Analytic Art 63  
**CSA/Computer System Assoc.**  
40/4 Magnum 131  
Derringer™ 131  
M/MR 2100 Mega-Midjet Racer™ 132  
Midjet Racer/PGY 1240MR 132  
MM 2150 Mega-Memory Board™ 120  
Platinum Edition Derringer 132  
Rocket Launcher™ 132  
Twelve Gauge 132  
**Custom Services**  
STU-Amiga System Test Utility 67  
**Cybercall, Inc.**  
CyberEdit V1.0 20  
**Cyberdreams, Inc.**  
CyberRace 78  
Dark Seed 78

## D

**Data Innovations Inc.**  
3 In 1 Football 71  
Basketball-The Pro Game 73  
Court Side College Basketball 77  
Full Count Baseball 82  
**Data Research Processing, Inc.**  
Key to C version 2.02 64  
**DATAPATH**  
Audiotools for the Amiga 64  
Source/Object Diskette for Programmer's Guide To Th 166  
**Davidson & Associates, Inc.**  
Math Blaster Plus 52  
**Delphi Noctic Systems, Inc.**  
F-Basic 5.0 Language System 62  
F-Basic System Source Level Debugger (SLDB) 5.0 65  
**Delta Graphics**  
CanDo Quickie or Complex 159  
Ham it Up! 18  
**Delta Research**  
JForth Professional V3.0 62  
**Deltaware Products**  
A-Sound 2.0 35  
A-Sound Elite 35  
**Dennis Palumbo**  
Dennis Palumbo Font Disks 1-5 32  
**Design Computer Systems Inc.**  
P-NET Cable/Adapter 134  
**Design Mirage, Inc.**  
Interactive Information System 1 139  
Interactive Information System 2 139  
Interactive Video System 1 139  
Interactive Video System 2 140  
Interactive Video and Information Systems 140  
Kiosk 140  
Kiosk Fronter 140  
Mitsubishi Touch-screen Monitors 140  
Production Services 140  
Video Disk Mastering with Chapter Stops 140  
Vistem 140  
**Designing Minds, Inc.**  
ABC's 43  
All About Whales (story diskette) 53  
Business Front 58  
ChromaPaint 15  
Crossword Construction Set 41  
Home Front 2.5 59  
Little Red Hen (story diskette) 44  
Math Doctor 52  
Nursery Rhymes (story diskette) 44  
Poco Man 42  
Rolf'em! 22  
Solar System (story diskette) 54  
Spell-A-Fair 46  
The Three Bears (story diskette) 45  
Top Form II 59  
World Tour, Africa 49  
World Tour, Australia 49  
World Tour, Canada 49  
World Tour, Central America 49  
World Tour, China, Far East 49  
World Tour, Europe 49  
World Tour, India 49  
World Tour, Russia/Western Asia 49  
World Tour, South America 49

World Tour USA 49  
**Desktop Utilities**  
Contact 2.0 58  
MathsMaster 52  
Professional ClipArt Vol.1 30  
Professional ClipArt Vol.2 30  
**Devasoft**  
Amy's Fun-2-3 Adventure 41  
Amy's Play-It-C Time 41  
**DevWare Video**  
Animation Video, Volume One 168  
Animation Video, Volume Three 168  
Animation Video, Volume Two 168  
Anti-Virus 69  
History of the Amiga 169  
How to Animate I 169  
**DFL-Demand File Loader 69**  
**DFW Prototypes**  
Read4D 14  
ReadSOBJ 14  
STL File Conversion 160  
**Diaguest**  
DQ-TACO Toaster Animation Controller 124  
**Diemer Development**  
C-ZAR Rev. 2.4 38  
Sequel 38  
**Digiprint**  
DP IBM Analog Interface 135  
DP IBM Bus Mouse Interface 138  
**DigiSoft**  
AutoKick 66  
AutoPrompt 20  
**Digital International Ltd.**  
Home Accounts 2 58  
Wordworth 2 28  
**Digital Arts**  
Apogee 3D Fonts Collection 122  
**Digital Arts-KC Enterprises Ltd.**  
Positive! 58  
**Digital Creations**  
Brilliance 15  
DCTV 125  
DCTV RGB Converter 127  
Kitchen Sync 129  
Kitchen Sync Genlock Option 129  
Kitchen Sync S-VHS Option 129  
SuperGen 128  
SuperGen 2000S 128  
**Digital Designs Group**  
MGDL 501 Birds In Nature 16  
MGDL 502 Worldwide Maps 16  
MGDL 503 More Worldwide Maps 16  
MGDL 504 Auto Race Thrills 17  
Pixel Perfect 24 121  
VGLD.001 Earth and Planets 26  
VGLD.002 Galaxies and Other Worlds 26  
VGLD.003 Video Backgrounds A 26  
VGLD.004 Video Backgrounds B 26  
VGLD.005 Birds, Up Close 26  
VGLD.006 Auto Racing 26  
VGLD.007 Scenery Backgrounds 26  
VGLD.008 Nature Backgrounds 26  
**Digital Dynamics**  
AMI-X10 107  
Snip 70  
**Digital Expressions**  
Arcade Action Pack 72  
Arcade Action Pack 2 72  
Classic Amiga Adventures 76  
TableTop Treasury 99  
Timeless Text Adventures 101  
Workbench 2.0 Enhancer Pack 67  
**Digital Expressions Research**  
MusicLab-IFS 37  
Video Music Box Ver. 1.6 38  
**Digital Graphics Library, Inc., The**  
Our Wedding 21  
Screen-Maker 2.2 22  
Screen-Maker Top 40 HAM Images 22  
**Digital Micronics, Inc.**  
Digital EditMaster 125  
DMI Floptical 116  
DMI Resolver B Graphics Co-Processor 15  
DMI Resolver C Graphics Co-Processor 15  
DMI Resolver Graphics Co-Processor 15  
DMI020 137  
Vivid 24 Graphics Co-Processor 15  
**Digital Multimedia Services Ltd**  
X-Cad 2000 14  
X-Cad 3000 14  
**Digital Processing Systems Inc.**  
DPS Personal TBC II 129  
DPS Personal V-Scope 124  
DPS-220 TBC/Synchronizer 129  
DPS-230 Component Transcoding TBC 129  
DPS-295 TBC/Transcoder 129  
Personal Series Expansion System 125

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Vendor

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

Personal VDA 125  
**Digital Production Labs**  
 AMOS TOMF 61  
 Deja Vu Licenseware 104  
**Digital Solutions, Inc.**  
 LPD Writer 28  
**Digital Sound Studio (DSS8) 35**  
**Digital Studio 36**  
**DigiTek Software**  
 Amegas 72  
 Big Business 74  
 Clever & Smart 76  
 Clown-O-Mania 76  
 DinoWars 79  
 Drum Studio 39  
 Final Mission 81  
 Gun Shoot 83  
 Hill Street Blues 84  
 Hole-in-One Miniature Golf 84  
 Hole-in-One Miniature Golf Extra Course Disk. See 3  
 Joe Blade 86  
 Powerstyx 93  
 Rings of Medusa 94  
 Skyblaster 96  
 Table Tennis Simulation 98  
 Targhan 99  
 Thunderboy 101  
 Tie Break Tennis 101  
 Vampire's Empire 102  
 Western Games 103  
**Dineen Edwards Group**  
 REXX PLUS Compiler 63, 121  
 REXX RAINBOW Library Series 67  
**Disc Company, The**  
 AlterImage Video F/X 19  
 Harmoni 36  
 InfoFile v1.2 56  
 KindWords™ 3.0 28  
 Maxiplan 4 60  
 MIDI Connector 146  
 Ports of Call 93  
 SuperBack 68  
 The Publisher 29  
**Disc Manufacturing, Inc.**  
 CD-ROM's 159  
**Discs Knowledge Research**  
 A Long Hard Day on the Ranch 151, 41  
 Cinderella  
 International Version 41  
 Cinderella-The Original Fairy Tale 41  
 Heather Hits Her First Home Run 153, 41  
 Moving Gives Me A Stomach Ache 153, 42  
 International Version 42  
 Mud Puddle 153, 42  
 International Version 42  
 Scary Poems for Rotten Kids 154, 42  
 The Night Before Christmas 155, 42  
 The Paper Bag Princess 155, 42  
 International Version 42  
 The Tale of Benjamin Bunny 155, 42  
 The Tale of Peter Rabbit 155, 42  
 International Version 42  
 Thomas' Snowsuit 155, 43  
**Display Systems International, Inc.**  
 Hard Disk Organizer (HDO) 69  
**disidents**  
 disED 112  
 disSX 39  
 MIDI Sample Wrench V2.0 36  
 Roland D-70 Editor/Librarian 39  
 SpeakerSim V2.1 14  
**Ditek International**  
 DynaCADD 2.04 13  
 DynaCADD 2D 3  
**DJW Microsystems**  
 Black Box Broadcast Quality Graphics System 14  
**DKB Software**  
 BattDisk 119  
 DKB 2632 123  
 Insider II 120  
 KwikStart II 120  
 MegAChip 2000/500 120  
 MegAChip 2000/500 With 2MB Agnus Chip 120  
 MultiStart II 149  
 MultiStart II 6A 149  
 SecureKey 133  
**Domark**  
 AV-8B Harrier Assault 135  
 CDTV MiG-29 Fulcrum 151  
 Dennis' Wheatley's Herewith the Clues 152  
 MiG-29 Fulcrum 89  
 Nam 154  
 Pitfighter 92  
 Shadowlands 135  
 Super Space Invaders 98  
 Trivial Pursuit 156  
 Virtual Reality Studio 6

Virtual Reality Studio 2.0 4  
**Dominion Software & Design, Inc.**  
 Advanced Military Systems 151  
 Dominion 152  
**Dongleware Publishing, Inc.**  
 The Oxyd Book 164  
**Doss Industries**  
 24 Hour Concierge Cabinet/Kiosk 139  
**Douglas Nakakihara**  
 Using MED, the Music Editor 164  
**Dr. Alan G. Baxter**  
 Multiplot XLNf 70  
**Dr. T's Music Software, Inc.**  
 4-OP Deluxe 38  
 Bach Songbook 39  
 Boom Box 74  
 Caged Artist D110 Editor 38  
 Composer Quest 152, 35  
 Copyist Apprentice 35  
 Copyist DTP 35  
 CZ Rider 38  
 DX Heaven 38  
 ESQ-1 Caged Artist 38  
 ESQapade 39  
 Kawai K-5 39  
 Kawai-1 Caged Artist 39  
 KCS 3.5 36  
 M 36  
 Model A Interface 147  
 Music Mouse 37  
 Oberheim Matrix 6/1000 Caged Artist 39  
 PCM-70 Caged Artist 39  
 Roland D-50 Caged Artist 39  
 Roland MT-32 Caged Artist 39  
 The Phantom 147  
 Tiger Cub 38  
 X-OR 39  
**Dragon Group, The**  
 The Amiga Coloring Book  
 Borders 17  
 Sampler 17  
 World 17  
**DRC Sequential Graphics**  
 Digital Collage 161  
**Dreamers Guild**  
 GT Emulator 62  
 MaxTrax 62  
**Dreamworks Video Productions**  
 The Beginners Guide to Art Department Pro 2+, Volu 169  
**duBois Animation**  
 Animatrix Modeler v1.2 5  
**Duggan DeZign Inc.**  
 Stik-Gripper™ 136  
 Stik-Gripper™ T.C.S. 136  
**Dynamix**  
 A-10 Tank Killer Version 1.5 71  
 Adventures of Willy Beamish 71  
 Nova 9 90  
 Red Baron 94  
 Rise of the Dragon 94  
 Stellar 7 97  
 E

Keys to Music Vol.II Learn To Read Music 53, 36

Keys to Music Vol.II Learn To Write Music 53, 36  
**Electronic Arts**  
 4-D Boxing with Tru-Motion 71  
 688 Attack Sub 71  
 Birds of Prey 74  
 Black Crypt 74  
 Budokan 75  
 Centurion  
 Defender of Rome 76  
 Chuck Yeager's Advanced Flight Trainer V2.0 76  
 Commissioner's Disk 77  
 Crackdown 77  
 Deluxe Music Construction Set 35  
 Deluxe Paint IV AGA 15  
 DeluxePaint III with Animation 15  
 DeluxePaint IV 15  
 DeluxeVideo III 20  
 Earl Weaver Baseball Data Disk 80  
 F-16 Combat Pilot 80  
 Global Effect 82  
 Golden Axe 83  
 Hard Nova 83  
 Indianapolis 500  
 The Simulation 85  
 John Madden Football 86  
 PGA Tour Golf 91  
 PGA Tour Golf Tournament Course Disk 91  
 Populous 92  
 The Promised Lands 92  
 Populous II  
 Trials of the Olympian Gods 92  
 Populous World Editor 92  
 PowerMonger 93  
 PowerMonger Data Disk  
 WWI Edition 93  
 Ski or Die 96  
 Starflight 97  
 Starflight 2  
 Trade Routes of the Cloud Nebula 97  
 The Bard's Tale II  
 The Destiny Knight 99  
 The Bard's Tale III  
 Thief of Fate 99  
**Electronic Innovations Corp. (EIC)**  
 MW-201 145  
**Electronic Trading Post**  
 Basic Construction Set 2.6 61  
 Combat '42 77  
 Installation 1-3 66  
 Pairs 92  
 X-Lotto Professional 2.2 106  
**Electronics To Go**  
 Personal Switcher 121  
**Elkon Enterprises**  
 Dungeon Master Survival Kit 80  
 Hermes IconLab 1.3 66  
 The Revised Ultimate Hint Kit Vol. 1 100  
 The Revised Ultimate Hint Kit Vol. II 100  
**Epson America, Inc.**  
 ES-600C scanner 144  
 ES-800C scanner 144  
**EPYX**  
 California Games 75  
 California Games II 75  
 Chip's Challenge 76  
**Ergotron**  
 The Ergotron Design Station 158  
 The Ergotron Workstation Suspended Radial Arm Compu 158  
**Erisian Software Products**  
 Carlos Monte's 7-Card Nopeekie 75  
 Carlos Monte's Blackjack/Solitaire 75  
 Carlos Monte's High-Rolling Craps 75  
**Ethos Development**  
 Poker Solitaire 92  
**Euphonics**  
 Lightworks Graphics Synthesizer 20  
**EUROFONTS VIDEO**  
 French/Spanish/Italian 24  
 German/French 24  
 German/Hungarian 24  
 Master Kit 24  
 Scandia 24  
**Europress Software**  
 American AMOS 61  
 AMOS Professional 61  
 Dojo Dan 79  
 Easy AMOS 64  
 Fun School 3 152, 55  
 Fun School 5 to 7s 152, 55  
 Merlin's Maths 52  
 Mini Office 57  
 Paint and Create 42  
 Spelling Fair 47  
**Eurosoft International Inc.**  
 Prospector In The Mazes Of Xor by Logotron 93  
**Expansion Systems**

BASEboard 119  
 DataFlyer 119  
 DataFlyer 500 Power Supply 133  
 DataFlyer Rail Kit 133  
 DataFlyer SCSI Pass Through 134  
 OVERboard 120  
 Power Supply 133  
 The DataFlyer RAM 120  
 ToolBox 500 149  
**Expert Services**  
 Display Maker 63  
 Floral Animated Fonts 17  
 Ramify 94  
 Rejuvenator 148  
 Secretary 57  
 SwitchStart 150  
**EyefulTower Comm. / EarfulTower Prod.**  
 A Twist of Fate 9  
 Amiga Sings! 162  
 Amiga Sings! Again 162  
 AMIGA-SF 11  
 AMIZOO 30  
 ART DISKS 11  
 Digifaces 1,2,3 9  
 FAT SOUNDS 1,2 39  
 Flowers 16  
 GENamations 20  
 JPEX Deluxe 20  
 Patternalia 21  
 Plato's Revenge 10  
 PROPS 17  
 Strange Garden of Visual Delights 19  
 The World Symbol Library Vol 8 31  
 The World Symbol Library Volume 1 31  
 The World Symbol Library Volume 10 31  
 The World Symbol Library Volume 11  
 Medieval Symbols 31  
 The World Symbol Library Volume 12  
 African Symbols 31  
 The World Symbol Library Volume 13  
 31  
 The World Symbol Library Volume 14  
 31  
 The World Symbol Library Volume 15  
 31  
 The World Symbol Library Volume 16  
 31  
 The World Symbol Library Volume 17  
 31  
 The World Symbol Library Volume 19  
 31  
 The World Symbol Library Volume 2 31  
 The World Symbol Library Volume 20  
 31  
 The World Symbol Library Volume 21  
 31  
 The World Symbol Library Volume 22  
 31  
 The World Symbol Library Volume 3 31  
 The World Symbol Library Volume 4 31  
 The World Symbol Library Volume 5 31  
 The World Symbol Library Volume 9 31  
 Tomorrow Ships 10  
 Vermont Seasons 23  
 WHOOSH! 12  
 World Symbol Library Vol.6 32  
 World Symbol Library Vol.7 32  
 WRAP SESSION 31  
**EZSoft**  
 EZ-Backup 67  
 F

F/X Productions/VideoComp, Inc.  
 Hot Toast From Coast to Coast 168  
 Video Production Services 160  
**FairBrothers, Inc.**  
 Audio Gallery 47  
 Audio Gallery-Chinese 47  
 Audio Gallery-ESL/Oriental 47  
 Audio Gallery-ESL/Romance 47  
 Audio Gallery-French 1.1 48  
 Audio Gallery-German 48  
 Audio Gallery-Italian 48  
 Audio Gallery-Japanese 48  
 Audio Gallery-Korean 48  
 Audio Gallery-Portuguese 48  
 Audio Gallery-Russian 48  
 Audio Gallery-Spanish 48  
 Digital Orchestra 39  
**FASTFACTS Trio**  
 The United States, The Solar System, & The Element 55  
**Felsina Software**  
 A-Talk III 109  
**Focal Press**  
 Timing for Animation 164  
**Fordray Pty. Ltd.**  
 Neriki CE100 Color Coder 26  
 Neriki Desk Top GL1189 128  
 Neriki Image Master GL1187C 128

# Product Index by Vendor

Neriki Video Tools on Tap 21

**Frankenstein Software**  
Amiga/Motorola Software Development Service 159

**Free Spirit Software, Inc.**  
Adventures in Math 50  
Ami...Alignment System 66  
Barney Bear Goes Camping 54  
Barney Bear Goes to School 151, 54  
Barney Bear Goes to Space 54  
Barney Bear Goes to the Farm 54  
Barney Bear Meets Santa Claus 54  
Bravo Romeo Delta 75  
Bride of the Robot 75  
Doctor Ami... 66

**Frog Peak Music**  
HMSL 63

**FrostByte Systems**  
Beyond Backgrounds - Pro Set 25

**FTL Games**  
Chaos Strikes Back 76  
Chaos Strikes Back! Adventurer's Handbook 162  
Dungeon Master 80  
Dungeon Master Adventurer's Handbook 162  
Dungeon Master-The Album 162

**Fuller Computer Systems**  
Project D 68

**Future Scanning Systems**  
Scan Version 2 104

**G**

**GameTek**  
Ninja Garden II 90  
Viking Child 103

**Gardenfax**  
Fruit, Vegetables & Herbs 152  
Garden Plants 152  
Indoor Plants 152  
Trees, Shrubs, Roses & Conifers 152

**Gary Hale Development**  
Plans Version 3.0 13

**Gateway Amiga Club, Inc.**  
Gateway Amiga Club 159

**Genie (General Electric Information Services)**  
GEnie 159

**Genisoft**  
Expert 4D jr 3  
ExpertDraw 29  
Fontgrabber 24  
Paint Me a Story 92  
PROClips 29

**GENP**  
GENP MultiMedia 106  
GENP version 1.5 106

**Geodesic Designs**  
AirLink 3.0 124  
CrashCorrector—Amiga Watchdog 139  
IllumiLink 3.0 139  
Infrared Command Center URC-3000 139  
Keyboard-Mouse-Link 1.0 107  
PowerMid PM5900 140  
TouchLink 139

**GERED Corporation**  
Mouse-Ease 158  
Mousetrap® Slim Line 158  
Type-Ease 158

**GFA Software Technologies, Inc.**  
GFA-BASIC for MS-DOS 62  
GFA-BASIC for Windows 3.0 62  
GFA-BASIC Version 3.7 for the Amiga 62

**Gfx Base**  
GDA-1 Hi-Res 256 Color Graphics Cards 128  
Motif Programmer's Toolkit for the Amiga 64  
X Window System for the Amiga 107  
X11 R4 LDS 63  
X11 Programmer's System for the Amiga 63  
XView Programmer's Toolkit for Amiga 64

**Gifted Artists**  
GIFTED SCANS 161  
Sammy the Clown's Playground Volume One Version 1.1 45

**Gimpel Software**  
Flexe Lint for the Amiga 65

**Giraffe-X Desktop Publishing**  
Giraffe-X Desktop Services 161

**GlassCanvas Productions, Inc.**  
Autumn Colors 16  
Computer Paintings 13  
Enhanced Sharp JX-7300 Printer Driver with palettes, 143  
Enhanced Tektronix ColorQuick Printer Driver with p 143

Enhanced Xerox 4020 Printer Driver with palettes or 143

**Glenn A. Burkund**  
RM-213 Professional Genlock For Amigas 128

**Go Software**  
AmigaMOIP Test Management Package Version 2 65

**Godfrey & Associates**  
Real3D v2.0 10

**Gold Disk, Inc.**  
Animated Coloring Book 151  
Comic Art-Funny Figures 30  
Comic Art-Science Fiction 30  
Comic Art-Super Heroes 30  
ComicSetter 29  
Design 3D 5  
Desktop Budget 58  
Gold Disk Office 56  
Gold Disk Type 32  
Gold Disk's All-In-One 169  
Home Office Advantage 59  
HyperBook 56  
Media Show 111  
MovieClips 12  
MovieSetter 9  
Outline Fonts 33  
Pagesetter III 29  
Professional Calc 112  
Professional Draw 3.0 30  
Professional Page 3.0 29  
Professional Page Templates and Design Guide 34  
ShowMaker 111  
Structured ClipArt 31  
TransWrite 2.0 28  
VideoDirector 23  
VideoFonts 25

**Golden Hawk Technology**  
MIDI Gold 500 146  
MIDI Gold Insider 147

**GoldenIMAGE Technology Corp.**  
GI-1000 138  
GI-600 138  
GI-700 138  
GI-7000 138  
JP-100 138  
JS-105-1M 126  
Master 3A-1 113  
RC-1000 120  
RC-2000 120  
RC-500 123

**GP Software**  
Amiga Professional Services 159  
Canon BJ300/330 Printer Driver 142  
Canon BJC800 Color Printer Driver 142  
Canon FP510 Color InkJet Printer Driver 142  
Daudio 35  
GPFax 2.01 109  
GPTerm-Amiga v4.59 109  
GPTouch 139

**GrafX Computing**  
GFX-CAD 13  
GFX-CAD 3000 13  
X-PORTER 3.1 14  
X-PRESS 170  
X-SHELL 3.3 14  
X-TENSION 160

**Grapevine Group, The**  
Amiga Diagnostician 166

**Graphic Design Studio**  
Pure Color 34

**Graphic Expressions**  
Femme Fatale V3.0 81  
GIRLS  
Impressions of the Riviera 105  
Mastering CLI and the SHELL 110

**Graphic Software Insights**  
Contract Programming Services 62

**Graphically Speaking**  
Video Clipse v1 24  
Video Clipse v1—3D FONTS 8  
Video Clipse v1.1—Spanish Version 25

**Great Cover-ups**  
Great Cover-Ups 158

**Great Valley Products**  
A1200 SCSI/RAM+ 131  
A1230 Turbo/4MB 131  
A2000 EGS-110/24 137  
A2000 G-Force 040 131  
A2000-Combo030 25/25/1 131  
A2000-Combo030 40/40/4 131  
A500 GVP/PC286 131  
A500-HD8+0/120 114  
A500-HD8+0/213 114  
A530 Turbo 113  
CineMorph 25  
Digital Sound Studio (DSS8) 35  
Faaastrom Kit-A2000 116  
Faaastrom Kit-A500 116  
G-Force 030 A2000 Combo 50/50/4 132  
G-Force 040 A2000 Combo 132

G-LOCK 128  
HC8+0/120-II 114  
HC8+0/213 114  
HC8+0/40 114  
HC8+0/80 114  
ImageFX 9  
IO Extender for A2000/A3000/A4000 142  
IV24 V2.0 127  
Maxoptix Tahiti II 117  
PhonePak VFX 136  
SCSI-STD 17/12 116  
SCSI-STD/17 116  
SCSI-STD/3 116  
SCSI-STD/3/17 116  
Syquest (SQ 5110) 88MB Removable Hard Drive 117  
Video Interface Unit (VIU) for IV24 15  
VIU-CT 15

**Group M Productions**  
Desktop Video and the Amiga Computer 170  
Desktop Video for Profit 167  
Easy Guide to Pro Video Gold 168  
How to Set Up a Low Budget Video Studio 169

**GSOFT Pty. Ltd.**  
Audio Engineer Plus 146  
Super Sound 146  
The Answer 110

**Gulfgate Technologies**  
Broadcast Backgrounds 23

## H

**Haltex Resources**  
Haicale 59  
Space Spuds 97  
X-Specs 3-D Amiga System 137  
X-Specs 3D Amiga Dev Kit 137  
X-Specs 3D Generic 137  
X-Specs 3D Glasses 137  
X-Specs TV 137

**Hammond Photographic Services**  
4x5 and 35mm Color Film Transfer Service 160

**Harcourt, Brace & Jovanovich**  
Desktop Video  
A Guide to Personal and Small Business Video Produ 167

**HarmonySoft**  
1000-Adaptor 147  
Harmonizer 1.0 36  
MEMOPLUG for the Amiga 149  
Rashumon DTP 1.2D 28  
Rashumon GR 1.2 28

**Hash Enterprises**  
Will Vinton's Playmotion 13

**HC Software Pty Ltd**  
Antarctica 49  
Australian Graphic Atlas 3.0 (with player program) 49  
Demographics 49  
Journey Through A Cell 43  
NapGap 90  
Record Manager Information Base V1.4 59

**Heifner Communications, Inc.**  
Rover 42  
Toaster Cozzy 121

**HelpDisk Inc**  
Buddy System for AmigaDOS 34  
Buddy System for DeluxePaint III 34  
Buddy System for DeluxePaint IV 34  
Buddy System for Imagine 2.0 34  
Buddy System for PageStream 34

**Hewlett-Packard Company**  
DeskJet 142  
DeskJet PLUS 142  
LaserJet IIP 144  
PaintJet Color Graphics Printer 143  
PaintJet XL 143

**Hi Tech Graphics**  
PlotPrint 14  
PlotPrint Version 2 14

**Hil Tech News**  
Pro-Quality Clip Art Multi-screen Airplanes V1 13  
Pro-Quality Clip Art Multi-Screen Collection. See 1; 2  
Pro-Quality Clip Art Multi-Screen PreHistoric Anima 13  
Pro-Quality Clip Art PGS. Struct.. See 1  
Pro-Quality Structured Airplanes V1 30  
Pro-Quality Structured Collection. See 1; 2  
Pro-Quality Structured PreHistoric Animals 30  
The Super Sample Disk 31

**Hilton Android**  
Robot Readers  
Aesop's Fables 45

Chicken Little 45  
Little Red Hen 45  
The Three Bears (Goldilocks) 45  
The Ugly Duckling 45  
Three Little Pigs 45

**Hokanga Software**  
Clock Works 44  
Kim 44  
LOOKHEAR! 44  
Nimble Numbers 44  
Snow Words 45  
Treble Pack 46

**Hollywood Entertainment**  
Hoi 84  
Lords of Time 88

**Hologramophone Research**  
Hyperchord 2.0 36  
The Hyperchord Music Exploration Kit 38

**Holosoft Technologies**  
Graphics Workshop V1.01 3  
HAM-E Workshop 16

**Home Life**  
Prides' Guide to Educational Software 164

**Horizon West Productions**  
Killer graphics 169

**Hutchinson Companies**  
FLICKER MASTER 140

**HyperMedia Concepts, Inc.**  
The Fred Fish Collection CD ROM 155, 111  
The Fred Fish Collection OnLine CD ROM 155, 111

## I

**I-Koen Design**  
I-Koen Design Guide to PageStream 2 162  
Idea Forms One 33  
Radical Type 170

**IDEN Videotronics Corporation**  
IVT-7 129  
TBCard 129  
TBCard PLUS 129  
TR-7 Remote 130

**ICD Incorporated**  
AdIDE/40 115  
AdIDE/40 Kit 115  
AdIDE/44 Kit 115  
AdRAM 2080 119  
AdRAM 505 119  
AdRAM 510 Plus 119  
AdRAM 540 119  
AdRAM 560D 119  
AdSCSI 2000 115  
AdSCSI 2080 115  
AdSpeed 131  
AdSpeed/IDE/40 131  
AdSpeed/IDE/40 Kit 131  
AdSpeed/IDE/44 Kit 131  
Flicker Free Video 2 127  
Flicker Free Video Preferences 66  
KickBack 147  
Novia 60i and 85i 114  
Novia/Speed 60i and 85i 114  
Prima 52i, 105i, 120i, and 240i 114  
Prima/Speed 52i, 105i, 120i, and 240i 114  
Shuffle Board 113  
Trifecta 2000 118  
Trifecta 500 118

**Icom Simulations**  
Sherlock Holmes Consulting Detective 154

**Idea Forms One 33**

**IDG Communications**  
Amiga Graphics 168  
Desktop Video, Volume I 168  
Desktop Video, Volume II 168  
Hot Rod Your Amiga 169  
NewTek's Video Toaster 169  
The Amiga Primer 169  
The Musical Amiga 169

**IMEDIA**  
ARNIS 141  
Groom 139

**Impressions Software**  
Air Force Commander 71  
Caesar 75  
Conquest of Japan 77  
Discovery—In the Steps of Columbus 79  
Paladin 2 92

**Impulse, Inc.**  
FIRECRACKER 24 15  
Imagine 9  
Imagine 2.0 9  
Morphus 12  
Turbo Silver 3.0 6

**Infinite Possibilities Software &**

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Vendor

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

**Development**  
 DRD Toolkit with Dynamic Designer for DRD v1.0 62  
 Dynamic Designer for DRD v1.0 63  
 Dynamic Relative Display Toolkit v1.0 64

**Infocom**  
 Arthur  
     The Quest for Excalibur 72  
 BattleTech  
     The Crescent Hawk's Inception 74  
 Beyond Dark Castle 74  
 James Clavell's Shogun 86  
 Journey 86  
 Rampage 94  
 Shanghai 96  
 Zorc Zero 104

**Inkwell Systems**  
 The Amiga Light Pen & Driver 138

**Innerprise Software, Inc.**  
 Apprentice 72  
 Battle Squadron 73  
 Cyberblast 78  
 Globulus 83  
 Night Dawn 90  
 Persian Gulf Inferno 92  
 Sword of Sodan 98  
 The Plague 100  
 Turrican 102

**InnoVision Technology**  
 Broadcast Titler 2 20  
 Broadcast Titler 2 Font Enhancer 20  
 Broadcast Titler 2-Font Pack 2 23  
 Broadcast Titler 2/Super Hi Res 20  
 Broadcast Titler Font Pack 1 23  
 MONTAGE 121  
 MONTAGE Fonts 1 123  
 Video Effects 3-D 9

**INOVAtrons, Inc.**  
 AVideo 12 14  
 AVideo 24 14  
 CanDo BBS Disks 1,2,3,4&5 109  
 CanDo Pro Pak 1 v2.0 104  
 CanDo T-Shirt 157  
 CanDo Test Drive 105  
 CanDo v2.0 105  
 Canvas v1 30  
 Directory Opus v4.0 69  
 GigaMem 66  
 HiQ A500 Tower 148  
 Hyper Helpers v1.0 66  
 InovaTools 1 v2.0 65  
 Interface Design Kit 30  
 Lunar Construction Set 30  
 MetaScope v1.5 64  
 Power Windows 2.5C 65  
 TURBO-Print-Professional 67  
 Vektor Storm 102

**Inste Peripherals**  
 I325VM Floptical® Disk Drive 117

**Integral Software**  
 EZ-Grade v1.2 54

**Integral Systems**  
 KeyWhiz 107  
 MasterControl 127  
 VidControl 127

**Intellectual Software, Division of Queue, Inc.**  
 Algebra Word Problems 51  
 Developing Writing Skills 46  
 English Composition Skills 46  
 French Grammar Series I 48  
 Geography Adventure Games 49  
 History Adventure Games 50  
 How a Bill Becomes a Law 54  
 Preparing for College Boards 55  
 Reading and Thinking Series 45  
 Spanish Grammar Series I 48  
 Vocabulary Adventure Package 47

**InterACTIVE Digital Devices, Inc.**  
 Amiga Smart Port & SmartPortCal Program 135

**Interactive Microsystems, Inc.**  
 MediaBase Program 21  
 MediaPhile 2.0A Infrared Controller 124  
 MediaPhile 2.0MA Infrared Controller 124  
 MediaPhile 2.0P Universal Tape Deck Controller 126  
 MediaPhile 2.0PC Infrared Controller 124  
 MediaPhile 2.0S Serial Controller 126  
 MediaPhile 2.0SA Serial Controller 126  
 MediaPhile 2.1S Serial Edit Controller 126  
 MediaPhile Desktop Video System 21  
 MediaPhile Programmer's Toolkit 21  
 MediaPhile Servers Programs 21  
 MediaPhile Utility Program Disks & Manuals 21  
 MediaProcessor Program 21  
 Programming & Training Services 161

**Interactive Video Systems**

Grand Slam Multifunction Card 118  
 Inifit40/i 117  
 Inifit40D 117  
 Inifit40S 117  
 Meta4 120  
 Meta4/500 Memory Expansion Chassis 148  
 Printinterface 142  
 Trumpcard 500 AT 118  
 Trumpcard 500 Classic 116  
 Trumpcard Classic 116  
 Trumpcard Professional 116  
 Vector 132

**Intergalactic Development, Inc.**  
 Civil War Scenario 76  
 Desert Storm Scenario 79  
 UMS  
     The Universal Military Simulator 102  
 UMS II  
     Nations at War 102  
     The Planet Editor 102

**International Technologies**  
 AMIKIT 1.3 An introduction to the Workbench and CLI 167  
 AMIKIT 2.0 An introduction to the Workbench and CLI 167

**Interplay Productions**  
 Battle Chess 151, 73  
 Battle Chess II  
     Chinese Chess 73  
     Castles 76  
     Checkmate 76  
     Dragon Wars 79  
     Future Wars 152, 82  
     James Bond  
     The Stealth Affair 86  
     Neuromancer 90  
     Out of This World 91  
     The Lord of the Rings 100  
     The Lord of the Rings, Vol. II  
     The Two Towers 100

**Interstel**  
 Reel Fish'n 94

**Interworks**  
 ENLAN Network System 107  
 ENLAN-DFS 107

**Intracorp, Inc.**  
 Birds 'N' Bees 43  
 Business Card Maker 56  
 Murder on the Atlantic 89  
 Space Math 52  
 Superman  
     Man of Steel 98  
 TRUMP CASTLE 98

**ISOM Software**  
 The Math Advantage 52

**Ixon, Inc.**  
 VR Slingshot 102

## J

**Jaeger Software**  
 Fighter Duel Pro 81  
 Fighter Duel Pro Flight Recorder 121

**JEK Graphics**  
 Pro Fills Volume 1 V2.0 21  
 Pro Fills Volume 2 22

**Jeriko**  
 LTV English 153

**Jet Technology**  
 Ink-Jet Ink 144

**JJC**  
 JJC Training Package 106

**JMH Software**  
 ARexxDB v2.0 58  
 JMH Easy Titler 2.0 20  
 The Talking Animator 10  
 The Talking Coloring Book 45

**JMJ Enterprises**  
 Komfort Wrist Rest 158

**John I**  
 I Graphics  
     Bible Files On Disk 107  
     Winston Cup Trading Cards  
     Database Template 59

**John Wiley & Sons**  
 The Art of Computer Systems Performance 164

**Jonathan Potter**  
 Zero Virus III Version 1.12 69

**Joyce I. Peck**  
 Weave-It 111  
 Weave-It Plus 111

**Julie Petersen**  
 Computer Graphics and Design Skills 161

**Jumpdisk 106**  
 A Christmas Carol 43  
 Jumpdisk 106  
 The Legend of Sleepy Hollow 45

**JVC Professional Products Co.**  
 BR-S811U 126  
 TKF-7300J 150

## K

**Kara Computer Graphics**  
 AnimFonts 5 32  
 HEADLINES 4 122  
 KARA FONTS-AnimFonts® 1 17  
 KARA FONTS-AnimFonts® 2 17  
 KARA FONTS-AnimFonts® 3 17  
 KARA FONTS-AnimFonts® 4 17  
 KARA FONTS-HEADLINES 17  
 KARA FONTS-HEADLINES 2 18  
 KARA FONTS-HEADLINES 3 18  
 KARA FONTS-STARFIELDS 12  
 KARA FONTS-SUBHEADS 18  
 KARA FONTS-TOASTER FONTS 1 122  
 KARA FONTS-TOASTER FONTS 2 122  
 KARA FONTS-TOASTER FONTS 3 122  
 KARA FONTS-TOASTER FONTS 4 123

**KarmaSoft**  
 Boppin' 75  
 Mail-O-Dex Professional 57  
 Power Pinball Expansion Disk 1 93  
 Power Pinball for CDTV 154  
 Power Pinball Version 1.1 93

**KBI, Systems**  
 Multimedia—Interactive 159  
 Video Systems—Pre/Post Design & Integration 160

**KFS Software, Inc.**  
 DAY-2-DAY Professional 58  
 The Accountant 2.0 58

**Kinetic Designs**  
 Amateur Radio Software Disks 104  
 Astronomy Disks 53

**Kline-Tronics**  
 Ammeg I A1000 119

**KludgeCode Software**  
 TRexx Professional 121

**Knight Tyne Productions**  
 Break'n'Bash 75

**Knowledge Media**  
 Resource Library Disc-2 Audio 161  
 Resource Library Disc-3 Multimedia 161  
 Resource Library Disk 1-Graphics 161  
 VIVA II 105

**Koei Corporation**  
 Bandit Kings of Ancient China 73  
 Genghis Khan 82  
 Nobunaga's Ambition 90  
 Romance of the Three Kingdoms 95  
 Romance of the Three Kingdoms II 95

**Konami, Inc.**  
 Back to the Future II 73  
 Back to the Future III 73  
 Bill Elliott's NASCAR Challenge 74  
 Champions 76  
 Gods 83  
 Killing Cloud 87  
 Lure of the Temptress 88  
 Magic Pockets 88  
 Plan 9 From Outer Space 92  
 Predator 2 93  
 Riders of Rohan 94  
 Spacewrecked-14 Billion Light Years from Earth by G 97  
 Speedball 2 - Brutal Deluxe 97  
 Team Suzuki 99  
 Teenage Mutant Ninja Turtles  
     The Arcade Game 99  
 The Chaos Engine 99  
 Theme Park Mystery 101  
 Utopia - The Creation of a Nation 102

**Kronemyer, WJ Associates**  
 WJK-1-The Video Producers Learning Disk 18

**Krueger Company, The**  
 1 Meg x 8 SIMM 134  
 34010 Graphics Processor 134  
 68020-16 134  
 68030RC-25 134  
 68040RC-25 134  
 68881-16 134  
 68882-33 134  
 Component Retrieval Service 159  
 DRAMs and Video RAMs 134  
 Krueger Instant Speed System 132  
 Oxyd 91  
 Static RAMs 134

**Kuma Computers Ltd.**  
 Intuition—A Practical Programmer's Guide 165  
 Mark Smiddy's Little Blue Workbench 2 Book 167  
 Mark Smiddy's Little Red Workbench 1.3 Book 167  
 Program Design Techniques for the Amiga 166

**Kurta**

IS/ONE 137

## L

**L & N Productions**  
 A3000/Toaster 168

**L & V Productions Reg'd**  
 SHADOWMAKER 33

**LA Online**  
 LA ONLINE Free-Access Service 159

**Lake Forest Logic, Inc.**  
 A.D.A.P.T. 68040 Assembler 61  
 Macro Paint 16  
 The Disk Mechanic 67

**Lascelles Productions**  
 Back to Basics 51  
 Fractions! 51  
 KIM 153  
 The Connoisseur Fine Art Collection 155, 43  
 Word Construction Set 47

**Lawrence Productions**  
 McGee 41  
 McGee at the Fun Fair 41  
 McGee visits Katie's Farm 42

**Lazer Tech Ink**

**Lee Software**  
 Autogram C 61  
 AV Notes 41  
 Biology By Martha  
     Human Biology CE 43  
     Human Biology HSE 43  
     Invertebrate Animals CE 43  
     Invertebrate Animals HSE 43  
     Microbiology CE 43  
     Microbiology HSE 43  
     Plants CE 43  
     Plants HSE 43  
     Reproduction CE 43  
     Reproduction HSE 43  
     Vertebrate Animals CE 43  
     Vertebrate Animals HSE 43  
 Biology by Martha College Edition 43  
 Biology by Martha High School Edition 43  
 Diabetic Diet Manager 49  
 HealthMed 49  
 Nutrition  
     A Professional Guide 50  
     Nutrition Guide for the Home 50  
 Physics of Motion 53  
 Total Control Diet 50  
 World Class Physics  
     Electromagnetism 54

**Left Hemisphere**  
 AmiTote 2000 157  
 AmiTote 3000 157  
 AmiTote 500 157  
 AmiTote 600 157  
 AmiTote Baby 157  
 AmiTote Monitor 157

**Legendary Design Technologies**  
 Address It! 58

**Leo Capricorn**  
 Archi-Pro 3D 6  
 Cabrio 6  
 Ferrari F40 6  
 Omega Face 7  
 Pack Planes WW2 7  
 Sexy Pin Up I-IV 7

**Lewis Stone**  
 World 3D 4

**Lionheart Press, Inc.**  
 Biometrics 108  
 Business Statistics 60  
 Cluster Analysis 108  
 Decision Analysis Techniques 108  
 Econometrics 108  
 Experimental Statistics 108  
 Exploratory Data Analysis (EDA) 108  
 Forecasting and Time Series 108  
 Inventory 56  
 Linear and Non-Linear Programming 109  
 Marketing Statistics 60  
 Matrix Operations 109  
 Multivariate Analysis 109  
 Optimization/Simulation/Risk 109  
 Parameter and Tolerance Design 60  
 Project Planner (PERT & CPM) 109  
 Quality Control and Industrial Experiments 60  
 Regression—Linear and Non-Linear 109  
 Sales and Market Forecasting 60

**Lip-Singing Karaoke Ltd**  
 Professional LS-118 154

**Live Studios, Inc.**  
 Future Classics Collection 82  
 ThunderStrike 101

**Lucasfilm Games**  
 Battlehawks 1942™ 74  
 Indiana Jones and the Fate of Atlantis

# Product Index by Vendor

85  
Indiana Jones™ And The Last Crusade  
-The Action Gam 85  
Indiana Jones™ And The Last Crusade  
-The Graphic Ad 85  
Loom 88  
Maniac Mansion® 88  
Monkey Island 2  
LeChuck's Revenge 89  
Night Shift 90  
Pipe Dream 92  
The Secret of Monkey Island 100  
Their Finest Hour  
The Battle Of Britain 101  
Zak McKracken And The Alien  
Mindbenders 104

**Lucky Fish Software**  
ts-Prompt 23

**Luna Tech, Inc.**  
A2000 Bridgeboard Speaker 133  
A3000 PAL/NTSC Switch 133  
A3000 Power Retrofit 124  
A500 HD 150DL Power Supply 133  
A500 Thor Replacement Power Supply  
133  
PPA-1000 142  
PPA-2000 142

**M**

**M.D. Associates**  
Amiga/CDTV Consulting 127

**Mach Ten Computers**  
The Switch Man 141

**Mach Universe**  
Big Rig Set 6  
Taming the Wave  
Exploring NewTek's LightWave 3D  
169

**MacroSystem Computer**  
VLab 125

**Mad Scientist Software**  
Blood Gases 49  
Cardiac Arrest! 49  
Code Team! 49

**Madrigal Designs**  
Artist Studio 1 Female Nudes 16  
Couples in Embrace 30  
Couples in the Act of Love 16  
Framing & Foundation Library 14  
Mad Star Ship Construction Set 17  
Madrigal Architectural Master Collection  
DXF 14  
Madrigal Architectural Master Collection  
IFF 17  
Madrigal Automotive Construction Set,  
CAD Format 14  
Madrigal Automotive Construction Set,  
General Coll 17

**Magic Matrix**  
Digital Dungeon 3  
Digital Dungeon Expansion Set 1  
Future Days 3

**Mahoney Software Products**  
BASICFootball 73  
Bible Words 74  
College Football USA 77  
General Manager Basketball 82  
General Managers Football 82  
Mailman 88

**Mainstream America**  
Abyss 71  
Dragonscape 79  
Media Line Animation Backgrounds 12  
Media Line Clipart Disk I 17  
Media Line Font Disk I 18  
Sex Vixens From Space 95  
The Last Inca 100  
Ultra DOS Utilities Module 1 68  
Zoetrope 11

**Mannikin Sceptre Graphics**  
TexTiles Vols. I-IV 7

**Manx Software Systems**  
Aztec C68K/Am 5.2 d-Developer System  
61  
Aztec C68K/Am 5.2 p-Professional  
System 61  
Developer System with Source  
Debugger and Library S 62  
Library Source 65  
Source Level Debugger (SDB) 65

**Master Mode, Ltd.**  
Desktop Video Graphics Service 161

**Maxis**  
A-Train 71  
RoboSport 95  
SimAnt-The Electronic Ant Colony 96  
SimCity 154, 96  
SimCity Graphic Set 1-Ancient Cities 96  
SimCity Graphic Set 2-Future Cities 96  
SimEarth—The Living Planet 96  
Terrain Editor 99

The Urban Pattern 164

**MBZ**  
VidZeen Volumes 1 and 2 18

**Media Technology Limited**  
Damocles 78  
Datastorm by Visionary Limited 79  
Escape from Singe's Castle 80  
Hockey League Simulator 84  
Vortex by Visionary Limited 103

**Mediacom, Inc.**  
AdClips™ Volume One 19

**MegaDisc**  
MegaDisc Catalogue on Disk 106  
MegaDisc Info Resource 106  
MegaDOS AmigaDOS Manual on Disk  
34

**MegageM**  
AmiVR1 150  
AmiVR2 150  
BarPro/A Version 3.0 56  
BarPro/B Laser Gun 139  
BarPro/B Wand 139  
CellPro Version 1.1 12  
Fractal Movie 3 12  
FractalPro 4.0 12  
FractalPro 6.0 12  
FractalShow 1 13  
LuCypher 1 68  
LuCypher 2 68  
Myra's World 13  
NeuroPro 2.0 104  
ScapeMaker 3.0 8  
Spheres 2 12

**Megido Enterprises**  
Desserts Cookbook 105  
Nutri-Fax 50  
Recipe-Fax 2.0 105  
Recipe-FaxNFX 105  
Variety Cookbook 105

**Memory Location, The**  
Video Crisper 127

**Memory Makers**  
PANIC button 158

**Merilyn Scott**  
Christmas 3D Objects 6  
Ghosties-Goulies and Things That Go  
Bump in the Nig 6

**Merit Software, Inc.**  
Classic Board Games 152, 76  
Electric Crayon  
Never Ending Story II 80  
Electric Crayon Deluxe  
All Dogs Go To Heaven 152, 44  
At the Zoo 44  
Teenage Mutant Ninja Turtles 44  
Fighting for Rome 81  
Final Conflict 81  
Medieval Warriors 89  
Merchant Colony 89  
Moonbase 89  
Operation Combat 91  
Over The Net! 91  
The Sesame Street Crayon Series  
Letters for You 45  
Numbers Count 45  
Opposites Attract 45  
Tom Landry Football 101

**Merlin's Software**  
Pro-Textures Vols. I, II, III 5  
Transporter 10

**Metropolitan Computer Products**  
Amiga Graphic Services 160  
Video Services 161

**MichTron**  
4-Player Adaptor Cable 135  
AB-Zoo 43  
Airball 72  
AMAS 145  
AMAS 2 145  
Amiga Desktop Videography 167  
CASA™ 104  
CD-REMX Version 2 151  
Clarity 16 146  
Fright Night 82  
Goldrunner 83  
Goldrunner II 83  
Hits 84  
Insanity Fight 85  
International Soccer 85  
JUG 85  
Karate Kid Part II 86  
Leathemeck 87  
Major Motion 88  
MIDI Interface 147  
Personal Finance Manager 57  
Personal Finance Manager Plus 57  
Protext 28  
Quartet 37  
Rave Sampler 37  
Ringside 94  
Slaygon 96  
Slip Stream 96  
Stereo Master 38

Talespin 99  
Tanglewood 99  
Tetra Quest 99  
Time Bandit 101  
Video Master 125  
Video-Link 158  
VIVA (Visual Interfaced Video  
Authoring) 105  
VTX On-Line 110  
Zero Gravity 104

**Micro R & D, Inc.**  
A500 Detachable Keyboard Housing  
137  
Bigfoot 2000 149  
BIGFOOT Power Supply 149  
Pyramid 400 DPI Grey Scale Hand  
Scanner 144  
Pyramid 4MB RAM Expansion W/OK  
123  
Pyramid 512K RAM Expansion 123  
Pyramid Handy Mouse (Two-Button)  
138  
Pyramid MIDI Interface 147  
Pyramid Mouse Master Switch 137  
Pyramid ROM Switch 147  
Pyramid Sound Enhancer 146  
Pyramid Swiftly Mouse (Three-Button)  
138  
Slingshot 142  
Universal Joystick/Mouse Switch 158

**Micro Systems International**  
FatTracks V2.0 68  
RawCopy Version L 68

**Micro-Systems Software**  
excellence! v3.0 28  
Online Platinum Edition 110  
Scribble! Platinum Edition 28  
The Works! Platinum Edition 59

**Micro-Telecomm**  
National Amiga Network System 159

**MicroBotics, Inc.**  
12 A/Clock 134  
501-s Memory+Clock 123  
8-UP! (DIP) 119  
HardFrame/2000 115  
M502 1MB Standard RAM Expansion  
120  
MBX 1200Z 132  
StarDrive Module 115  
VXL 30 132  
VXL RAM-32 (2MB/Burst) 123  
VXL RAM-32 (8MB/Burst) 123

**Microdalt**  
Rotor 95

**MicroEd**  
Antonyms 46  
AU-901 CLAS Computerized Lesson  
Authoring System 54  
Balancing Act 51  
Beginning German 48  
CP-941 Capitalization 46  
Early Math MA-902 44  
ED/SS-909 Social Studies Vocabulary 54  
Fraction Concepts 51  
GR-910 Basic Grammar 46  
Image Spinning (Creative Writing) 46  
LA-985 American English for Spanish  
Speakers 47  
LA-986 American English for German  
Speakers 47  
LA-987 The English Alphabet for  
Speakers of Urdu 47  
LA-988 American Idiomatic English 47  
LD-901 Dinosaurs 44  
Learning English As A Second Language  
47  
MA-903 Medal Winner 51  
MA-904 Sum-It Mountain 51  
MA-909 Pinball I.Q. 51  
MA-921 First Year Algebra 51  
MA-922 Algebra  
The Computer/Textbook  
Connection 51  
MA-928 Numberowl 51  
MA-930 Parting Shots 51  
MA-932 Math Golf 51  
MA-936 Number Jumper 51  
MA-938 Caterpillar 500 51  
MA-943 Last of the Ninth 51  
MA-944 Slam Dunk 51  
MA-948 Pail Green 51  
MA-953 On the Line 51  
MA-954 Branded 51  
MA-967 Sum Fun 51  
MA-993 Figuring the Angles 51  
MA-998 How-To Addition 51  
MA-999 How-To Subtraction 51  
Maxi Taxi 52  
Parking Lot 52  
PU-940 Punctuation 46  
RE-841 Basic Reading Literacy (Set One)  
46  
RE-910 Learning the Alphabet 45

RE-915 Beginning Reading 45  
RE-921 Booksoft One Comprehension-  
Elementary Level 46  
RE-940 Stories in Reasoning with the  
Great Detective 46  
RE-942 Reading Detective  
A Word Game 46  
RI-901 In the Beginning 108  
RI-902 Adam and Eve 108  
RI-904 Abraham, Friend of God 108  
RI-932 The First Christmas 108  
RI-938 The Story of the Good Samaritan  
108  
RL-993 In The Promised Land 108  
RL-995 The Bible on Disk 108  
SC-928 Blood Bank 53  
SC-929 Explorer's Digest 53  
SC-930 Second Wind 53  
SC-931 Salvage 53  
SC-932 Sunnyside Up 53  
SC-935 Planet Probe 53  
SC-936 AIDS Information Game 50  
SC-952 Save the Whales 53  
Scare City Motel 52  
SP-902 Spelling 46  
SP-903 Spelling 46  
SP-904 Spelling 46  
SP-905 Spelling 46  
SP-906 Spelling 46  
SP-907 Spelling Detective Game 46  
Spell M-O-N-E-Y 43  
SS-950 Christopher Columbus 54  
SS-951 Lewis and Clark Expedition 50  
SS-952 Across the Plains 50  
SS-953 Early Great Lakes 50  
SS-954 Making our Constitution 50  
SS-955 Transcontinental Railroad 50  
SS-956 Introducing Maps 50  
SS-961 Women in Ancient Africa (Book  
w/Disk) 54  
The Ad Game 43  
VO-920 Vocabulary Series One 47  
VO-921 Vocabulary Series Two 47  
WD-915 Word Demons 47  
WD-916 Usage Boners 47  
Words That Sound Alike 47

**Microfiche Filer 58**  
**Microfiche Filer Plus 58**  
**Microft Software, Ltd.**  
VidGen 2.0 23

**MicroIllusions**  
Blackjack Academy 74  
Craps Academy 77  
Discovery 2.0 41  
Dr. Plummet's House of Flux 79  
EbonStar 80  
ED/SS 54  
Faery Tale Adventure 81  
Fire Power 81  
Galactic Invasion 82  
Genesis The Third Day 3  
Geography Expansion Disk for  
Discovery 49  
History 50  
Language Expansion Disk for Discovery  
55  
Math 1 52  
Math Concepts 52  
Music-X 1.1 37  
Music-X Jr. 37  
Photon Paint 2.0 16  
Photon Video  
Edit Decision List Processor 26  
Photon Video Cel Animator 9  
Photon Video Transport Controller 26  
Romantic Encounters at the Dome 95  
Science Expansion Disk for Discovery  
53  
Spelling 1 46  
Spelling 2 46  
Tracers 101  
Trivia 1 Expansion Disk for Discovery  
55  
Trivia 2 Expansion Disk for Discovery  
55  
Turbo 101

**MicroLeague Sports Association**  
MicroLeague Baseball  
The Manager's Challenge 89

**Micropolls Corporation**  
ESDI Model 1350 113  
ESDI Model 1558-15 113  
ESDI Model 1650 113  
SCSI Model 1370 113  
SCSI Model 1578-15 114  
SCSI Model 1670 114  
ST-506 Model 1320 114

**MicroProse Software, Inc.**  
3-D Pool 71  
Amazing Spider-Man 72  
Covert Action 77  
Dr. Doom's Revenge 79  
Eliminator 80

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Vendor

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

F-15 Strike Eagle II 80  
 F-19 Stealth Fighter 80  
 Flames of Freedom 82  
 Greens 83  
 Gunship 83  
 Keith Van Eron's Pro Soccer 87  
 Knights of the Sky 87  
 M1 Tank Platoon 88  
 MegaTraveler by Paragon 89  
 Midwinter 89  
 Netherworld 90  
 Pirates 92  
 Railroad Tycoon 94  
 Red Storm Rising 94  
 Rick Dangerous 94  
 RVF Honda 94  
 Savage 95  
 Silent Service 96  
 Silent Service II 96  
 Space 1889 96  
 Stunt Track Racer 98  
 UMS II 102  
 Weird Dreams by Medalist International 103  
 World Circuit 104  
 Xenophobia by Medalist International 104

**MicroSearch, Inc.**  
 AutoLink 125  
 ChromaKey+ 128  
 Color Splitter 124  
 Materials Texture Library Vol.I-Stone Surfaces 3  
 Materials Texture Library Vol.II-Tiles 4  
 Materials Texture Library Vol.III-Wood Surfaces 4  
 Professional Football Simulation 93  
 The Amiga Desktop Video Workbook 168

**Microsmiths, Inc.**  
 FastFonts 66  
 TextEd 112  
 TextEd Plus 112

**MicroTouch Systems, Inc.**  
 Amiga Touch Driver 139  
 Amiga UnMouse 139

**MicroWay**  
 DEB™ 2000 127  
 flickerFixer 127  
 flickerFixer Genlock Compatibility Option 127

**Midwest Desktop**  
 Midwest Desktop 161

**Migraph, Inc.**  
 Migraph CS-6000 144  
 Migraph Hand Scanner and Touch-Up 144  
 Migraph Merge-It and Scanning Tray 144  
 Migraph OCR v1.1 144  
 Migraph PS-400 Wand With Touch-Up 144  
 Scan and Save 144

**Mimetics Corporation**  
 3-Demon 5  
 AmiGen 128  
 MIDI 1000 146  
 MIDI 500/2000 146  
 Pattern Splatter 40  
 SoundScape Pro MIDI Studio 38  
 SoundScape Sound Sampler 146

**Mindcraft**  
 Breach 2 75  
 Rules of Engagement 95  
 The Keys to Maramon 100

**MindScape**  
 Action Fighter 71  
 After Bumer by Sega 71  
 Alien Syndrome by Sega 72  
 Aussie Joker Poker by Joker Software International 73  
 Balance of Power 73  
 The 1990 Edition 73  
 Casino Fever 75  
 Combat Course 77  
 Contraption Zack 77  
 Deja Vu  
 A Nightmare Comes True 79  
 Deja Vu II  
 Lost in Las Vegas 79  
 Fiendish Freddy's Big Top O' Fun 81  
 Gauntlet II 82  
 Graphic Adventure Collection 83  
 Harley-Davidson  
 The Road to Sturgis 84  
 Harrier Combat Simulator 84  
 Harrier Mission 84  
 Hostage 85  
 Indiana Jones and the Temple of Doom 85  
 Indoor Sports 85  
 Out Run by Sega 91  
 Paperboy 92

Powerplayers Joystick 136  
 Road Raider 94  
 Shadowgate 95  
 Shinobi 96  
 Space Harrier by Sega 97  
 Superstar Ice Hockey 98  
 The Colony 100  
 Thunder Blade 101  
 Uninvited 102  
 Willow 104

**Mirror Image Productions**  
 Mifont 1.1c 32  
 Mloutline 1.0a 33

**Moonlight Development**  
 British Open Courses 75  
 Classic American Courses 76  
 Famous European Courses 81  
 Great Resort Courses 83  
 P.G.A. Championship Courses 91  
 P.G.A. Tour Courses 1 91  
 U.S. Open Courses I 102  
 U.S. Open Courses II 102

**Motion Blur Publishing**  
 The Imagine Companion 164

**Mr. Hardware Computers**  
 Animations by Kati 56  
 Freelance Escort v1.1 56  
 MailBase Escort v1.0 57  
 Retail Escort v2.1 57  
 Video Escort v2.0 57

**Mr. Horan's Computer Lab**  
 Educational Consulting 159  
 Inquisitor 41  
 School Announcement System 42  
 Video Coach 43  
 Video Network 43

**MRSoftware**  
 MRBackup Professional V1.14 68

**Mullen Graphics**  
 Maps, Lists, and Answers for Dungeon Master 163  
 Pat Mullen's Maps, Lists and Answers for Chaos Stri 163

**Multimedia Corporation**  
 A Bun For Barney 151

**MVP Software**  
 Your Family Tree 2.2 107  
 Your Family Tree Companion 107

**Myriad Visual Adventures**  
 Animation 101 168

**Mystic Software**  
 Astrology 106

## N

**N.E.S. Corp.**  
 NES, Inc. AM-200A Prototyping Board for Amiga 2000/ 136  
 NES, Inc. AM-200AZ Prototyping Board for Amiga 2000 136  
 NES, Inc. AM-200B Prototyping Board for Coprocessor 136  
 NES, Inc. AM-205M Two Port Serial Card for MIDI App 149  
 NES, Inc. AM-205R Two Port Serial Card for RS-232 A 149  
 NES, Inc. MI-001 MIDI INTERFACE UNIT 147

**Natural Graphics**  
 Scene Generator 18  
 Scenery Animator 10

**Needham's Electronics**  
 BAS-10 EPROM Programmer 144

**Neon Tetra Productions**  
 Amiga Music for Video, Volume One 168

**Network Technologies Incorporated**  
 VOPEX 2V/4V/8V/16V 142  
 VOPEX-3A12H 141

**Neuralink**  
 The Context Bible Concordance 108  
 The Context Bible Hypertext 108

**New Horizons Software, Inc.**  
 DesignWorks 29  
 Flow 3 56  
 Foreign Language Dictionaries for ProWrite 112  
 ProFonts I 33  
 ProFonts II 33  
 ProWrite 3.3 28  
 QuickWrite 1.1 28

**New Sound Music**  
 Background Rhythm Patterns 2.0 39  
 Jazz Through MIDI 2.0 40  
 Soundtracks for MIDI 40

**New World Computing Inc.**  
 King's Bounty 87  
 Might and Magic II  
 Gates to Another World 89  
 Might and Magic III  
 Isles of Terra 89  
 Nuclear War 90

**NewTek**  
 Digi-Droid 125  
 Digi-Paint 15  
 Digi-Paint 3 15  
 Digi-View Gold 4.0 144  
 Digi-View MediaStation 126  
 Flan Performer 2.0 20  
 Video Toaster 122  
 Video Toaster 2.0 122  
 Video Toaster System 130  
 Video Toaster Workstation 122  
 Video Toaster Workstation/30 122

**NH Enterprises**  
 AMIGAtak 104

**Nine Tiles**  
 CAL 032 Superlink 141  
 CAL 042 Superlink 142

**Nodette Enterprises Pty., Ltd.**  
 Feature On A Floppy 20  
 Graphics Palette Disk Magazine 106

**Norris Software**  
 Norgen—Version 2 of the Genealogy Database 107  
 Norgen-Import Utility 107

**Nucleus Electronics, Inc.**  
 The Personal SFC 127

## O

**Ocean of America**  
 Battle Command 73  
 Darkman 78  
 Elf 80  
 Epic 80  
 Espana Games 92 80  
 F-29 Retaliator 81  
 Hook 85  
 Lost Patrol 88  
 Nightbreed 90  
 Pushover 93  
 Robocop 3-D 95  
 The Addams Family 99  
 The Untouchables 101  
 Wild Wheels 104  
 Wiz Kid 104

**Octree Software, Inc.**  
 Caligari 2 5  
 Caligari 24 5  
 Caligari Broadcast 3.0 5

**Odyssey Software**  
 Lunar Rescue 153, 88  
 Space Wars 154, 97  
 Super Games Pak 154

**Omicron Video**  
 Omni Chroma Keyer 124  
 OmniGen 701/702 128  
 OmniGen 711/712 128  
 OmniGen 721/722 128

**Omnitrend Software, Inc.**  
 Breach 75  
 Paladin 92  
 The Scrolls of Talmouth 100  
 The Seryachi Campaign 100  
 Universe 3 102

**On-Line Entertainment**  
 Animals In Motion 151  
 Challenge Golf 76  
 Chaos in Andromeda 152, 76  
 Emergency Languages 152  
 Hound of the Baskervilles 153  
 Psycho Killer 154  
 Psycho Killer II 154  
 Sign of Four 154  
 Town with No Name 156  
 Women In Motion 156

**Ontological Survey**  
 Palette Printer 34

**Optical Coating Laboratory Inc (OCLI)**  
 ProfessionalPlus Glare/Guard™ 141  
 SoftTouch™ 141  
 Vantage 141  
 WristMate 159

**Optonica Ltd.**  
 Interplay CDTV 153  
 Pandora's CD 154  
 Services to CDTV Developers 161  
 Simpatuca 22  
 Videostream 156

**O'Reilly & Associates**  
 The Whole Internet User's Guide and Catalog 164

**Origin Systems, Inc.**  
 Autoduel 73  
 Beyond 2400 A.D. 74  
 Knights of Legend 87  
 Moebius  
 The Orb of Harmony 89  
 Omega 91  
 Orge 91  
 Space Rogue 97  
 Tangled Tales 99  
 Times of Lore 101

Ultima III 102  
 Ultima IV 102  
 Ultima Trilogy I-II-III 102  
 Ultima V 102  
 Ultima VI—The False Prophet 102  
 Windwalker 104

**Osborne/McGraw-Hill**  
 Earl Weaver Baseball  
 Hall of Fame League 162  
 F-19 Stealth Air Combat by Pete Bonanni 163  
 Falcon 3.0 Air Combat by Pete Bonanni and Bernard Y 163  
 Railroad Tycoon Master Strategies for Empire Builde 163  
 SimCity Planning Commission Handbook by Johnny L. W 163  
 The King's Quest Companion, Second Edition by Peter 163  
 The King's Quest Companion, Third Edition by Peter 163  
 The Police Quest Casebook 164  
 The SimEarth Bible by Johnny L. Wilson 164  
 The Space Quest Companion 164

**Other Guys, The**  
 AMT 59  
 E-Z FM Synthesizer 36  
 Keep-Trak General Ledger 58  
 Match-it 44  
 Math Odyssey 52  
 Math-A-Magician 52  
 Omega File Data Base-Mail Merge 58  
 Promise 112  
 Reason 112  
 Synthia II 38  
 Synthia Professional 38  
 World Odyssey 49

**Overland Engineering**  
 ADAPS 2111-16 DSP Board 146  
 Zorro II/III Extender Card 133

**Oxci, Inc.**  
 Aegis Amiga Graphics Starter Kit 3  
 Aegis Animagic 12  
 Aegis AudioMaster IV 40  
 Aegis Draw 2000 V2.0 13  
 Aegis Modeler 3D 5  
 Aegis Pro/Motion 8  
 Aegis Sonix 35  
 Aegis SoundMagic 146  
 Aegis SoundTrax I and II 39  
 Aegis SpectraColor 15  
 Aegis SpectraColor for HAME-E 15  
 Aegis Videoscape 3D with Pro/Motion 5  
 Aegis VideoTitler 3D 7  
 Aegis Visionary 39  
 Amiga Client Software for Novell NetWare 141  
 Fast Eddie's Pool and Billiards 81  
 P-Stat 60  
 Presentation Master 111  
 SBase Personal 4 59  
 Superbase Personal 2 59  
 Superbase Professional 4 v1.2 59  
 Superplan 60  
 TaxBreak 92 59  
 TurboText 63  
 Visionary Programmer's Handbook 166

## P

**Pacific Digital**  
 Symposium 150

**Pacific Digital FX**  
 Multimedia FX™ 2.0 37  
 NightFX™ Screensaver 69  
 SpectrumFX™ 54  
 StarsFX™ 2.0 10  
 VocoderFX™ 40

**Palomax, Inc.**  
 BeBop 'N Drop 74  
 MAX—125™ Autoboot Interface Adapter 116

**Panasonic Communications & Systems Company**  
 AG-7650 126  
 AG-7750 126  
 KC-P4420 Laser Printer 143  
 PanaSync C1381 140

**Pangolin Laser Software**  
 Lasershow Designer 100 27  
 Lasershow Designer 200 27  
 Lasershow Designer 300 27  
 Lasershow Designer 400 27  
 RTV 27

**Parallax Publishing**  
 Foundation 3.0 152, 105

**Parallel Motion Graphics, Inc.**  
 SignEngine 4

**Parth Galen**  
 ABCgames 43

# Product Index by Vendor

FastTrig 65  
PhunnyPhonemes 45

**Pelican Software**  
Pelican Press 29

**Personal Database Applications**  
Logic II 104  
Logic Jr. 104  
Personal Music Librarian 37  
Personal Video Librarian 57

**Peterson Enterprises**  
C-light 5

**Philadelphia Video Lab, Inc.**  
Amiga File Transfer to Video Tape 160  
BACKGROUNDER  
The Videotape 170  
Photographic Hardcopy from Amiga  
Files 161  
Prosumer Slide 161  
THE COLOR KIT for Deluxe Paint 18

**Phoenix Microtechnologies Pty. Ltd.**  
512K Internal Memory 119  
8MB Memory Board 119  
A500 Plus II  
2MB Chip RAM 119  
Aladdin Lighting Control System 149  
Aladdin Model Makers Dimmer Pack 149  
Aladdin Multimedia Dimmer Rack 149  
Aladdin Production Dimmer Rack 149  
Analogue Joystick Adaptor 135  
CIA Guard 133  
Kickstart in ROM 148  
Kickstart Swap Board 148  
Parallel Port Adapters 142  
Parallel Port I/O Board 136  
Phoenix Board 148  
Phoenix Colour Digitizer 125  
Phoenix SCSI Box 116  
Phoenix SCSI Case 116  
Sound Sampler 146

**Pictures of Oz-Medienproduktion**  
Motion & Magic 7

**Pixel Vision**  
Video Transfer Service-Video Production 157

**Pixelations, Inc.**  
Pixelations' PostScript Series 33, 34  
Typographers' Ornaments Volume 1,2,3,6,&7. 30  
PixelScript V1.1 34

**PLAYFIELD!**  
PLAYFIELD! 170

**Polyglot Software**  
Mach IV 67  
The Crossword Creator V1.1 100

**Poor Person Software**  
Thinker 2.1.4 28

**Portal Communications Co.**  
Portal UUCP Connection 157  
The Portal Online System™ 157

**Positron Publishing**  
Mastering Toaster Technology 121

**Post Video Effect**  
Video Editing 160

**Prakticon, Inc.**  
Budgeteer 57

**Preferred Technologies International, Inc.**  
FlashBack 68  
Spectrum 125

**Pregnant Badger Music**  
Performance 40  
RXMix 40

**Premier Software**  
Public Domain & Shareware Collections 106

**Presidio Software**  
Antic's 3-D Design Library™ 6

**Pre'spect Technics Inc.**  
1-Drive-Bay 147  
2-Drive-Bay 147  
4-Drive-Bay 147  
A500-DESKTOP-CASE 147  
A500-TOWER-CASE 147  
ALF-44DISK-E 117  
ALF-44DISK-I 117  
ALF-88DISK-E 117  
ALF-88DISK-I 117  
ALF-FLASH-DISK-EXT 113  
ALF-FLASH-DISK-INT 113  
ALF-PC-SCSI 133  
ALF-R44-Disk 117  
ALF-R88-Disk 117  
ALF-STR-Cartr-150 117  
ALF-STR-Cartr-250 117  
ALF-STR-Cartr-GIGA 117  
ALF-STR-GIGA-E 118  
ALF-STR-GIGA-I 118  
ALF-STR230-E 118  
ALF-STR230-I 118  
ALF-STREAMER-Software 67  
ALF-TOOLS 66  
ALF1-DE2-Seagate 114

ALF1-RE1-Seagate 114  
ALF1-RE5-Seagate 114  
ALF2-AF2-SCSI 115  
ALF2-AFN1-SCSI 115  
ALF2-AFN5-SCSI 115  
ALF2-AH1-SCSI 115  
ALF2-AH5-SCSI 115  
ALF2-RE1-MFM 115  
ALF2-RE2-MFM 115  
ALF2-RE5-MFM 115  
ALF3-AF2-SCSI 118  
ALF3-AH5-SCSI 118  
Black Workstation 147  
FileRunner™ Box/Heavy Duty 114  
FileRunner™ Streamer for use with any  
Amiga 133  
Floppy-Rail 113  
FontDesigner 32  
GigaMem 69  
Keyboard-Shell 148  
M-Digit 142  
M-Slot™ 148  
M-Slot™ Midi Tower 148  
MFC 2™ MultiFaceCard 2000/3000/4000 148  
MFC 2™ MultiFaceCard 500 148  
MFC™ MultiFaceCard 1000 148  
Naked-F 148  
Naked-Up 148  
PCA-Power Cable-Amiga 500 148  
Power-Y-Cable 113  
Printer-Y-Cable 142  
PS-220 Power Supply 148  
PS-45 Power Supply 148  
PS-50 Power Supply 148  
RGB-Monitor-Cable 141  
TOP-SCAN 145  
TTL-Monitor-Cable 141  
TTL-Monitor-Y-Cable 141  
VGA-Monitor-Cable 141  
VGA-Switch 141

**Prime Option**  
Cine Back for FreezeFrame Film Recorder 12  
ColorPage Plus Printer 142  
ColorPage Printer 142  
ColorRight w/ImageMaster PostScript RIP & 16M 142  
FreezeFrame Film Recorder 137  
Phovos 300C Scanner 144

**Pro Links**  
The Official Guide to LINKs and Microsoft Golf 163

**Pro-Tronic Systems Ltd.**  
Deluxe MIDI INTERFACE for the AMIGA 500/1000/2000/3 146  
System Integrator 26

**Pro-Visual**  
Ultra-Fonts Volume 1,2,3 24

**PROGRAFIX SOURCE**  
PROGRAFIX SOURCE Benchmark Fonts 33

**Progressive Peripherals, Inc.**  
3D Professional 5  
Animation Station 12  
Baud Bandit 2400 140  
Baud Bandit MNP/Level 5 Plus 140  
Baud Bandit v1.5 109  
DiskMaster II 66  
DoubleTalk 2000/3000 142  
DoubleTalk 500 142  
Dr. Term Pro 109  
Dunlap Utilities 66  
EXP-1000 148  
EXP-8000+ w/2MB 120  
FrameGrabber 125  
FrameGrabber 2.0 Software 125  
FrameGrabber 256 125  
IntroCAD 13  
IntroCAD Plus 13  
Math-Amation 60  
Mercury 040/3000 132  
MicroLawyer 60  
miniGEN 128  
PIXmate 18  
Progressive 040/2000 132  
Progressive 040/3000 132  
ProRAM 3000 123  
Qic Tape 118  
Rambrandt/Amiga 126  
UltraDesign 14  
Video Blender 128  
Zeus 2000 132

**Prolific, Inc.**  
Pro-Net v2.0B 13  
Pro-Board Personal 13  
Pro-Board v2.1 13  
Pro-Board v3.0 13  
Pro-Drill v1.0 13  
Pro-Net Personal 13

**Psygnosis Limited**  
Agony 71

Air Support 71  
Aminios 72  
Aventura 72  
Armour-Geddon 72  
Atomino 72  
Awesome 73  
Barbarian II 73  
Beast III  
Out of the Shadow 74  
Bill's Tomato Game 74  
Carl Lewis Sports Challenge 75  
Leander 87  
Lemmings 153, 88  
Obitus 90  
Oh No! More Lemmings 91  
Ork 91  
PHASAR 4.0 59  
Red Zone 94  
Shadow of the Beast II 95  
The Killing Game Show 100

**Puzzle Factory, The**  
fingerTalk 107  
Macro68 V3 62  
Origins 107  
ReSource V5 63

## Q

**Quantum Quality Productions**  
The Perfect General 100

**Queue, Inc.**  
American History Adventure 50  
Analogies I 54  
Analogies II 54  
College Aptitude Reading Comprehension Exercises 55  
French Grammar I-III 48  
How to Spell 46  
Lessons in Reading and Reasoning 50  
Lessons in Reading and Reasoning I-IV 50  
Practical Composition I-V 46  
Practical Vocabulary 46  
Reading Adventures I-III 45  
Reading and Thinking I-III 46  
Sentence Completion 55  
Spanish Grammar I-III 48  
Starting a New Business 43  
U.S. Geography 49  
Vocabulary Adventure I  
The Castle of Treasures 47  
Vocabulary Adventure II  
The Labyrinth 47  
Vocabulary Adventure III  
Marauders of the Lost Ark 47  
World Geography Adventure I-IV 49

**QuickWrite 1.1 28**

**Quma Software**  
Quma Version Control System v1.1 64

## R

**R & D L Productions, Inc.**  
APRODRAW® 12 x 12 inch Graphics Tablet Package 137

**R.A.W. Entertainment**  
Action Stations 71  
Action Stations Scenario/Utility Disk 71  
Blitzkrieg at the Ardennes 74  
Fireteam 2200 82  
Napoleon The Campaigns 1805—1914 90  
Spoils of War 97  
White Death 104  
Worlds At War 104

**Radiance Software**  
RayDance Ray Tracing Software 5

**Radical Eye Software**  
360 dpi Fonts 34  
AmigaTeX 29  
Epson FX Printer Driver 34  
ImageWriter II 34  
Laser Printer Drivers 34  
NEC P6 Driver 34

**RADICALifornia Video Productions**  
Introduction to Workbench 2.0 16

**RAVE Video**  
Desktop Images Instructional Videotape for Toaster 168

**RCS Management Inc.**  
33MHz Fusion-Forty 131  
Fusion-Forty 131

**ReadySoft, Inc.**  
64 Emulator 2 68  
A-Max II 133  
A-Max II Plus 133  
Campaign 75  
Combat Classics 77  
CyberSpace 78  
Dragon's Lair 79  
Dragon's Lair II  
Time Warp 79

Dragon's Lair III  
The Curse of Mordred 79  
Eye of the Storm 80  
Guy Spy 83  
International Sports Challenge 85  
King's Ransom 87  
Sleeping Gods Lie 96  
Space Ace 96  
Space Ace II  
Bor's Revenge 97  
Team Yankee 99  
Team Yankee II  
Pacific Islands 99  
The Animation Classics Pack (bundle) 99  
Volfied 103  
War in the Gulf 103  
Wrath of the Demon 156, 104

**Realism Entertainment**  
Vikings Fields of Conquest 103

**Redmond Cable Corp**  
Cables & Switch Boxes 157

**Reliable Communications, Inc.**  
AmiGen Video Tiling Kit 128  
FrameBuffer/Amiga 128

**RGB Computer & Video**  
AmiLink 2.0 Pro 19  
AmiLink/CI AB-Roll 19  
AmiLink/CI Cuts-Only 19  
AmiLink/E.S.P. 19  
AmiLink/O.L.G. 19  
AmiLink/REMOTEL 19  
AmiLink/VT Pro 19  
RGB Single Frame Controller 27  
Video Animation Controller 23

**Ricoh Corporation**  
PC Laser 6000/PS 144  
Ricoh RO-5030E 117

**Right Answers**  
Director Tutorial Video 168  
The Director Version 2 10  
Toolkit for The Director 12

**Rio Computers**  
3.5 Slimline Drive 113  
512K RAM Expansion 119  
Data Acquisition Unit 145  
DEEP SCAN BURST NIBBLER 67  
Eprommer 149  
Geniscan Handy Scanner 144  
Genius Mouse 138  
MIDI Music Manager 36  
Midmaster 147  
Pro Stereo Sound Sampler 146  
Robotam 149  
TACH 25 150  
Video Digitizer 125

**Rittinghouse Software Development Company**  
GS-1000 Graphics Library 64

**Robot Readers**  
Aesop's Fables 45  
Chicken Little 45  
Little Red Hen 45  
The Three Bears (Goldilocks) 45  
The Ugly Duckling 45  
Three Little Pigs 45

**RockLogic**  
FASMB5 62

**RocTec Electronics Inc.**  
RF362C A500 Replacement Drive 113  
RF372C A2000 Replacement Drive 113  
RF382CV RocLite AV 113  
RG310CN RocGen Plus 128  
RG320C RocKey 22  
RH600C RocMate 116  
RH800C RocHard 118  
RM300C Mouse 138  
RV300C Anti Virus Device 113

**RoKroot software/hardware**  
RUF Programming Utility 65

**Rombo Ltd.**  
Complete Color Solution 124  
Megamix Master 146  
Take 2 10  
Vidi Amiga 12 125  
Vidi-RGB 125

**Ron Richardson**  
Evokel 1.0 20

## S

**S & B Software**  
SMUS2T 40

**S & I Computer Services**  
3.5-inch Diskette Box 157  
Banx 5.25-Inch Diskette Storage Box 157  
CDTV Laser Disk Storage Box 156

**S/R Laboratories**  
Static Release Cloth 157

**Saddleback Graphics**  
Advanced Techniques with DeluxePaint

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Vendor

|                                       |
|---------------------------------------|
| Table of Contents                     |
| How To Use This Guide                 |
| Graphic Arts                          |
| Desktop Video                         |
| Word Processing                       |
| Desktop Publishing                    |
| Music                                 |
| Education                             |
| Business & Home Productivity          |
| Programming                           |
| Utilities                             |
| Entertainment                         |
| Miscellaneous Software                |
| Drives                                |
| Memory Expansion                      |
| Video Toaster                         |
| Video Hardware                        |
| Accelerators                          |
| Miscellaneous Hardware                |
| CDTV                                  |
| Accessories & Services                |
| Books & Tapes                         |
| Freely Redistributable Software (FRS) |
| Cat Fish FRS Index                    |
| Fred Fish FRS Index                   |
| AMICUS FRS Index                      |
| AC's Back Issue Index                 |
| Vendor/Product Registration           |
| User's Groups                         |
| Index of Advertisers                  |
| Vendor Information                    |
| Product Index by Product              |
| Product Index by Vendor               |
| Category Index                        |
| Last Minute Additions                 |

|  |  |   |  |
|--|--|---|--|
| IV 168<br>DeluxePaint IV Video Guide 168<br>My Paint 16<br>Professional Techniques for DPaint III 16   | Leisure Suit Larry III<br>Passionate Patti in Pursuit of the Pulsating Pector 88<br>Leisure Suit Larry in the Land of the Lounge Lizard 88<br>Manhunter<br>New York 88<br>San Francisco 88<br>Mixed-Up Mother Goose 89<br>Police Quest 92<br>Police Quest II 92<br>Police Quest III 92<br>Quest for Glory<br>So You Want to be a Hero 93<br>Quest for Glory II<br>Trial by Fire 93<br>Sierra Video Catalogue 168<br>Space Quest I<br>The Sarien Encounter (Updated Version) 97<br>Space Quest II<br>Vohaul's Revenge 97<br>Space Quest III<br>The Pirates of Pestulon 97<br>Space Quest IV<br>Roger Wilco and the Time Rippers 97<br>The Black Cauldron 99<br>The Colonel's Bequest 100<br>Thexder 101 | B.E.S.T. Business Management V3.0 57<br>B.E.S.T. General Ledger 57<br>The Disk Labeler 57   | (Tournament Version) 95<br>Seconds Out 95  |
| <b>Sams</b><br>Master SimCity/SimEarth 163<br>The MIDI Manual 164  | <b>SAS Institute Inc.</b><br>SAS/C® Development System, Version 6 63   | <b>Software Terminal</b><br>Intruder Alert 137<br>TeleEpic 99<br>TeleGames 99<br>TeleWar 99<br>Telewar II 99  | <b>Sterling Connection, The</b><br>LogLibrary™ 30<br>QwikForms™ 33<br>Templicity™2.0 60  |
| <b>Saxon Industries</b><br>Saxon Publisher V1.2 29<br>SaxonScript Professional 34  | <b>Scala, Inc.</b><br>InfoChannel TV Control Station 110<br>InfoChannel TV Display Station 110<br>SCALA 500 Home Video Titler 22<br>SCALA InfoChannel 110<br>SCALA Video Studio 22   | <b>Software Toolworks, The</b><br>Cribbage King/ Gin King 78<br>Days of Thunder 79<br>Four Crystals of Trazere 82<br>Loopz 88<br>Mavis Beacon Teaches Typing 55<br>Miracle Piano Teaching System 40<br>The Chessmaster 2100 100<br>The Hunt for Red October 100   | <b>SterlingWare, Inc.</b><br>BlackBox 50<br>Circle of Success 76<br>CoreWars 53<br>Cross Poker 78<br>Dots 2 50<br>Idhan II 50<br>Mandala 3<br>Periculum 42<br>Personality 42<br>RangeFinder 53<br>Small 53<br>SortMaster 54<br>SpiralMaster 4<br>Traversal 50<br>Turnpi 50<br>X-It 52  |
| <b>SciTech Software</b><br>AMPlot2 18<br>MoG 70<br>STSLib 64   | <b>Sedona Software</b><br>Money Mentor 59  | <b>Software Visions, Inc.</b><br>Designer Databases-Business I 58<br>Designer Databases-Home I 58<br>Microfiche Filer 58<br>Microfiche Filer Plus 58  | <b>Strategic Simulations, Inc.</b><br>Buck Rogers<br>Countdown to Doomsday 75<br>Champions of Krynn 76<br>Conflict in the Middle East 77<br>Curse of the Azure Bonds 78<br>Cyber Empires 78<br>Dark Queen of Krynn 78<br>Death Knights of Krynn 79<br>Dragons of Flame 79<br>DragonStrike 79<br>Eye of the Beholder 80<br>Eye of the Beholder II<br>Legend of Darkmoon 80<br>Gateway to the Savage Frontier 82<br>Gettysburg<br>The Turning Point 82<br>Great Naval Battles<br>North Atlantic 1939-1943 83<br>Hillsfar Clue Book 163<br>Hint Sheet Folder 163<br>Kampfgruppe 86<br>Legends of Valour 87<br>No Greater Glory-The American Civil War 90<br>Pool of Radiance 92<br>Pools of Darkness 92<br>Renegade Legion<br>Interceptor 94<br>Second Front 95<br>Secret of the Silver Blades 95<br>Shadow Sorcerer 95<br>Storm Across Europe 98<br>Strategic Simulations Clue Books 163<br>Sword of Aragon 98<br>Treasures of the Savage Frontier 101<br>Typhoon of Steel 102<br>Wargame Construction Set 103<br>Western Front—The Liberation of Europe 1944-1945 103 |
| <b>Sega</b><br>Altered Beasts 72   | <b>Seikosha America Inc.</b><br>SBP-10 Plus 143  | <b>SoftWood, Inc.</b><br>Electric Thesaurus 106<br>Final Copy 28<br>Pen Pal 112<br>Proper Grammar 112<br>SoftClips 17<br>SoftFaces 28   | <b>Strategic Studies Group</b><br>Gold of the Americas 83<br>Halls of Montezuma 83<br>Panzer Battles 92<br>Reach for the Stars 94<br>Warlords 103  |
| <b>Selectech, Ltd.</b><br>AirMouse Remote Control 156  | <b>Selectra Corp</b><br>Panasonic/Selectra AG-1960/R5™ 125<br>VuPort™ Computer/VCR Interface 127   | <b>SOGWAP Software</b><br>Bible Search 107  | <b>Stylus, Inc.</b><br>ProVector 2.1 30, 4<br>PSImport™ 29, 4  |
| <b>Selectra Corp</b><br>Panasonic/Selectra AG-1960/R5™ 125<br>VuPort™ Computer/VCR Interface 127   | <b>Selectronics Inc.</b><br>MAGDEX 106<br>PUBDEX 106   | <b>Solid Gold Software</b><br>LPCalc 56   | <b>subLOGIC Corporation</b><br>Flight Simulator II 82<br>Hawaiian Odyssey Scenery Adventure 84<br>Japan Scenery Disk 86<br>Scenery Disk. See 11; 7; 9<br>Western European Tour 103   |
| <b>Sensible Software Solutions</b><br>CopyCode 104   | <b>Service Management Group, The</b><br>SMG Extended Warranty 159  | <b>Sony of America</b><br>Sony CPD-1604S Multiscan Monitor 140<br>Sony UP-D7000 Digital Color Printer 143   | <b>Suncom</b><br>Ergostick 135<br>Tac-30 136<br>Tac-50 136   |
| <b>Seven Seas Software</b><br>Complex Hooks Disk 18<br>Doug's Color Commander 2.0 25<br>Mandelbrot Variations 70<br>MathVision 2.4 52<br>Secrets of an Artist 17   | <b>Seymour-Radix</b><br>IMG Scan II 126  | <b>Sound Quest, Inc</b><br>MIDI Quest Universal Editor Librarian 36<br>Quest Editor/Librarian 37<br>Quest I<br>Texture 37<br>Quest II<br>Texture 37   | <b>SunRize Industries</b><br>Audition 4 38<br>DD524 Digital Interface Card 146<br>Perfect Sound 3 Adaptor 146<br>Perfect Sound 3.0 146<br>SMPTE Output 37<br>Studio 16 w/AD1012 146<br>Studio 16 w/AD516 146   |
| <b>ShaderSoft</b><br>VisionModeller 3D v1.1 6  | <b>Shereff Systems, Inc.</b><br>Bread & Butter Fonts 122<br>Cinnamon Toast Fonts, Volumes 1 and 2 122<br>Pro Video CG II 22<br>Pro Video Gold 22<br>Pro Video Plus 22<br>Pro Video Post 22<br>Pro Video Series Alternate Fonts (five sets) 24<br>Video Fonts II 25   | <b>Skylite Electric Works</b><br>HIDE 1000 116<br>Memory for Amiga 120<br>MIDI for the Amiga 2000 147<br>MIDI for the Amiga 3000 147<br>MIDI for the Amiga 500 147<br>MIDI for the Amiga1000 147  | <b>Supra Corporation</b><br>Power PC Board™ 123<br>Supra Drive for A2000 114<br>Supra FAXModem Plus 136<br>Supra FAXModem V.32 9600 Send/Receive Fax 136<br>Supra FAXModem V.42bis 136<br>Supra Modem 2400 140<br>Supra Modem 2400 Plus 140<br>Supra Modem 2400 zi Plus 140<br>Supra RAM 2000 120<br>Supra SCSI Interface for A500 116   |
| <b>Shoreff Systems, Inc.</b><br>Bread & Butter Fonts 122<br>Cinnamon Toast Fonts, Volumes 1 and 2 122<br>Pro Video CG II 22<br>Pro Video Gold 22<br>Pro Video Plus 22<br>Pro Video Post 22<br>Pro Video Series Alternate Fonts (five sets) 24<br>Video Fonts II 25   | <b>Shocking Software</b><br>T-N-T (The New Testament) Version 1.1 108  | <b>Slide City</b><br>Slide Service 161<br>TV GRAPHICS 9<br>TV GRAPHICS 2 9<br>TV Objects 7  |  |
| <b>Showline Video</b><br>Spectrum 1000C 129<br>Spectrum 1000SC 129<br>Spectrum 500C 129<br>Spectrum 500SC 129<br>Spectrum 750SC 129<br>Spectrum 850QC 129<br>Spectrum 900C 129   | <b>Sierra On-Line</b><br>Adventure Game Hint Books 162<br>Castle of Dr. Brain 76<br>CODENAME<br>ICE MAN 75<br>Conquests of Camelot 77<br>Conquests of the Longbow<br>The Legend of Robin Hood 77<br>Gold Rush 83<br>Hoyle's Book of Games<br>Volume 3 85<br>Hoyle's Book of Games Volume 2<br>Solitaire 85<br>Hoyle's Book of Games™ Volume One 85<br>King's Quest I 87<br>King's Quest II<br>Romancing the Throne 87<br>King's Quest III<br>To Heir Is Human 87<br>King's Quest IV<br>The Perils of Rosella 87<br>King's Quest V 87<br>Larry 5<br>Passionate Patti Does a Little Undercover Work 87<br>Leisure Suit Larry II<br>Looking for Love in Several Wrong Places 87                           | <b>Slipped Disk</b><br>Professional Lottery Systems 106   |  |
| <b>Shoreff Systems, Inc.</b><br>Bread & Butter Fonts 122<br>Cinnamon Toast Fonts, Volumes 1 and 2 122<br>Pro Video CG II 22<br>Pro Video Gold 22<br>Pro Video Plus 22<br>Pro Video Post 22<br>Pro Video Series Alternate Fonts (five sets) 24<br>Video Fonts II 25   | <b>Shocking Software</b><br>T-N-T (The New Testament) Version 1.1 108  | <b>Soft-Logik Publishing Corporation</b><br>Art Expression 3<br>BME(Bit-Map Editor) 29<br>HotLinks 1.1 29<br>HotLinks Editions Text and Photo Editing 1.1 29<br>PageLiner 29<br>PageStream 2.2 29<br>PageStream Disk A 33<br>PageStream Font Pack 1 33<br>PageStream Plus Pack 33<br>Soft-Logik Clip Art Library 31<br>Soft-Logik Library Classic Fonts 33<br>Soft-Logik Library Designer Fonts 33<br>Soft-Logik Library Newsletter Fonts 33<br>Soft-Logik Library Starter Fonts 33 |  |
| <b>Sierra On-Line</b><br>Adventure Game Hint Books 162<br>Castle of Dr. Brain 76<br>CODENAME<br>ICE MAN 75<br>Conquests of Camelot 77<br>Conquests of the Longbow<br>The Legend of Robin Hood 77<br>Gold Rush 83<br>Hoyle's Book of Games<br>Volume 3 85<br>Hoyle's Book of Games Volume 2<br>Solitaire 85<br>Hoyle's Book of Games™ Volume One 85<br>King's Quest I 87<br>King's Quest II<br>Romancing the Throne 87<br>King's Quest III<br>To Heir Is Human 87<br>King's Quest IV<br>The Perils of Rosella 87<br>King's Quest V 87<br>Larry 5<br>Passionate Patti Does a Little Undercover Work 87<br>Leisure Suit Larry II<br>Looking for Love in Several Wrong Places 87 | <b>Shocking Software</b><br>T-N-T (The New Testament) Version 1.1 108  | <b>Software Advantage Consulting Corporation</b><br>Investor's Advantage 2.0 59   |  |
| <b>Showline Video</b><br>Spectrum 1000C 129<br>Spectrum 1000SC 129<br>Spectrum 500C 129<br>Spectrum 500SC 129<br>Spectrum 750SC 129<br>Spectrum 850QC 129<br>Spectrum 900C 129   | <b>Sierra On-Line</b><br>Adventure Game Hint Books 162<br>Castle of Dr. Brain 76<br>CODENAME<br>ICE MAN 75<br>Conquests of Camelot 77<br>Conquests of the Longbow<br>The Legend of Robin Hood 77<br>Gold Rush 83<br>Hoyle's Book of Games<br>Volume 3 85<br>Hoyle's Book of Games Volume 2<br>Solitaire 85<br>Hoyle's Book of Games™ Volume One 85<br>King's Quest I 87<br>King's Quest II<br>Romancing the Throne 87<br>King's Quest III<br>To Heir Is Human 87<br>King's Quest IV<br>The Perils of Rosella 87<br>King's Quest V 87<br>Larry 5<br>Passionate Patti Does a Little Undercover Work 87<br>Leisure Suit Larry II<br>Looking for Love in Several Wrong Places 87                           | <b>Software Designs</b><br>Color Clip Art Vol.I-General 30<br>Color Clip Art Vol.II-Holiday 30<br>Color Clip Art Vol.III-Animals 30<br>Color Clip Art Vol.IV-General 30   |  |
| <b>Shoreff Systems, Inc.</b><br>Bread & Butter Fonts 122<br>Cinnamon Toast Fonts, Volumes 1 and 2 122<br>Pro Video CG II 22<br>Pro Video Gold 22<br>Pro Video Plus 22<br>Pro Video Post 22<br>Pro Video Series Alternate Fonts (five sets) 24<br>Video Fonts II 25   | <b>Shocking Software</b><br>T-N-T (The New Testament) Version 1.1 108  | <b>Software Industry &amp; General Hardware (SIGH)</b><br>SIGH-dex® 112<br>SIGH-light® 105<br>SIGH-low® 110   |  |
| <b>Sierra On-Line</b><br>Adventure Game Hint Books 162<br>Castle of Dr. Brain 76<br>CODENAME<br>ICE MAN 75<br>Conquests of Camelot 77<br>Conquests of the Longbow<br>The Legend of Robin Hood 77<br>Gold Rush 83<br>Hoyle's Book of Games<br>Volume 3 85<br>Hoyle's Book of Games Volume 2<br>Solitaire 85<br>Hoyle's Book of Games™ Volume One 85<br>King's Quest I 87<br>King's Quest II<br>Romancing the Throne 87<br>King's Quest III<br>To Heir Is Human 87<br>King's Quest IV<br>The Perils of Rosella 87<br>King's Quest V 87<br>Larry 5<br>Passionate Patti Does a Little Undercover Work 87<br>Leisure Suit Larry II<br>Looking for Love in Several Wrong Places 87 | <b>Shocking Software</b><br>T-N-T (The New Testament) Version 1.1 108  | <b>Software Integration Solutions</b><br>Oriental Desk Top Art Vol.1-Vol.4 17<br>Source Builder 63  |  |
| <b>Showline Video</b><br>Spectrum 1000C 129<br>Spectrum 1000SC 129<br>Spectrum 500C 129<br>Spectrum 500SC 129<br>Spectrum 750SC 129<br>Spectrum 850QC 129<br>Spectrum 900C 129   | <b>Sierra On-Line</b><br>Adventure Game Hint Books 162<br>Castle of Dr. Brain 76<br>CODENAME<br>ICE MAN 75<br>Conquests of Camelot 77<br>Conquests of the Longbow<br>The Legend of Robin Hood 77<br>Gold Rush 83<br>Hoyle's Book of Games<br>Volume 3 85<br>Hoyle's Book of Games Volume 2<br>Solitaire 85<br>Hoyle's Book of Games™ Volume One 85<br>King's Quest I 87<br>King's Quest II<br>Romancing the Throne 87<br>King's Quest III<br>To Heir Is Human 87<br>King's Quest IV<br>The Perils of Rosella 87<br>King's Quest V 87<br>Larry 5<br>Passionate Patti Does a Little Undercover Work 87<br>Leisure Suit Larry II<br>Looking for Love in Several Wrong Places 87                           | <b>Software Mart, Inc.</b><br>Subroutine Library 64   |  |
| <b>Shoreff Systems, Inc.</b><br>Bread & Butter Fonts 122<br>Cinnamon Toast Fonts, Volumes 1 and 2 122<br>Pro Video CG II 22<br>Pro Video Gold 22<br>Pro Video Plus 22<br>Pro Video Post 22<br>Pro Video Series Alternate Fonts (five sets) 24<br>Video Fonts II 25   | <b>Shocking Software</b><br>T-N-T (The New Testament) Version 1.1 108  | <b>Software of the Month Club 170</b><br>Software of the Month Club 170   |  |
| <b>Sierra On-Line</b><br>Adventure Game Hint Books 162<br>Castle of Dr. Brain 76<br>CODENAME<br>ICE MAN 75<br>Conquests of Camelot 77<br>Conquests of the Longbow<br>The Legend of Robin Hood 77<br>Gold Rush 83<br>Hoyle's Book of Games<br>Volume 3 85<br>Hoyle's Book of Games Volume 2<br>Solitaire 85<br>Hoyle's Book of Games™ Volume One 85<br>King's Quest I 87<br>King's Quest II<br>Romancing the Throne 87<br>King's Quest III<br>To Heir Is Human 87<br>King's Quest IV<br>The Perils of Rosella 87<br>King's Quest V 87<br>Larry 5<br>Passionate Patti Does a Little Undercover Work 87<br>Leisure Suit Larry II<br>Looking for Love in Several Wrong Places 87 | <b>Shocking Software</b><br>T-N-T (The New Testament) Version 1.1 108  | <b>Software Plus</b><br>Computerized Learning Application Software System, 41<br>The Application Base System (T.A.B.S.) 67  |  |
| <b>Showline Video</b><br>Spectrum 1000C 129<br>Spectrum 1000SC 129<br>Spectrum 500C 129<br>Spectrum 500SC 129<br>Spectrum 750SC 129<br>Spectrum 850QC 129<br>Spectrum 900C 129   | <b>Sierra On-Line</b><br>Adventure Game Hint Books 162<br>Castle of Dr. Brain 76<br>CODENAME<br>ICE MAN 75<br>Conquests of Camelot 77<br>Conquests of the Longbow<br>The Legend of Robin Hood 77<br>Gold Rush 83<br>Hoyle's Book of Games<br>Volume 3 85<br>Hoyle's Book of Games Volume 2<br>Solitaire 85<br>Hoyle's Book of Games™ Volume One 85<br>King's Quest I 87<br>King's Quest II<br>Romancing the Throne 87<br>King's Quest III<br>To Heir Is Human 87<br>King's Quest IV<br>The Perils of Rosella 87<br>King's Quest V 87<br>Larry 5<br>Passionate Patti Does a Little Undercover Work 87<br>Leisure Suit Larry II<br>Looking for Love in Several Wrong Places 87                           | <b>Software Technology, Inc.</b>  |  |

# Product Index by Vendor

SupraDrive 500XP 116  
 SupraDrive™ Floppy Disk Drive 120  
 SupraRam 500RX 120  
 SupraRAM™ 500 123  
 SupraTurbo 040 132  
 WordSync Interface for A2000 116

**Sybox Computer Books**  
 Amiga Programmer's Handbook, Vol. 1, Second Edition 165  
 Amiga Programmer's Handbook, Vol. II 165  
 Programmer's Guide To The Amiga 166

**Sybiz**  
 Service Industry Accounting Rev. B-4 58

**Syndesis**  
 3D Studio Converter 8  
 AutoCAD DXF Converter 8  
 Digital Arts Converter 8  
 InterChange Plus 8  
 PI-PICT Loader and Saver 4  
 Syndesis 3D-ROM 7  
 TIO Imagine Converter 8  
 Topas Converter 8  
 Wavefront Converter 9

**T**

**T & L Products**  
 Mouse Wash 2500 158  
 Rat-Pad! 158

**TAB BOOKS/McGraw-Hill**  
 3-D Computer Graphics  
 A User's Guide for Artists and Designers—2nd Editi 164  
 Amiga Assembly Language Programming 165

**Take Four Productions**  
 Video Textures and Backgrounds 4

**Take Note Software**  
 Take Note 53

**Team 17 Software**  
 Assassin 72  
 Project-X 93  
 Superfrog 98

**Technical Magic**  
 Amiga Flash Chat 109  
 MIDI Retrofit Kits (Custom) 147

**Technical Tools**  
 Lissa 1.2 8  
 Polyhedra 1.2 7

**TeleGraphics International**  
 TeleGraphics International Tape I  
 Video Graphics Techniques 169  
 TeleGraphics International Tape II  
 Color Cycling Animation 169  
 TeleGraphics International Tape III  
 Digitizing For Effect 169  
 TeleGraphics International Tape IV  
 Amiga Hard Drives 169  
 Video Toaster Training Volume One 169

**TelePro Technologies**  
 DLG Professional BB/OS 109

**Tensor Productions**  
 CyberScape 105  
 DIGI-Mice 66  
 MIDI-Mice 124  
 VIDI-Mice 26

**Texture City**  
 Texture City CD-ROM Image Library Pro 100. See 1  
 Texture City Image Library Pro 15. See 1  
 24-Bit; 2 24-Bit  
 Texture City Image Library Pro 60. See 1  
 24-Bit; 2

**Texture City CD-ROM Image Library Pro 100. See 1**

**Texture City Image Library Pro 15. See 1**  
 24-Bit; 2 24-Bit

**Texture City Image Library Pro 60. See 1**  
 24-Bit; 2

**The Associated Image Group, Inc.**  
 United States - Lightwave Objects 122

**The BCS Group**  
 600 Amiga Fonts 32  
 Twenty/Twenty Vision 105

**The Raster Image**  
 Raster Image 161

**Think Limited**  
 Clip Art. See 1—Transport & Signs; 2—Human Biology; 3—At Home  
 Concept 2000 Keyboard 138  
 Europe 1992 104  
 Jigsaw 86  
 MatchIt!, SnapIt! & RememberIt! 44  
 Move It! & Slide It! 89  
 Talking Turtle 54  
 Touch Screen Driver 138

**Three-Sixty, Inc.**  
 Harpoon 84  
 Harpoon Challenger Pack, Signature Edition 84

Harpoon's BattleSet. See 2; 3; 4  
 MegaFortress 89  
 Operation Sledgehammer 89

**Tiger Media**  
 Airwave Adventure  
 Murder Makes Strange Deadfellows 151, 72  
 The Case of the Cautious Condor 151, 72

**Tigress**  
 DiskKwik 2.0 66

**Tim Donley**  
 The Hot-Key Authority 8

**Titus Software Corporation**  
 500cc Racebike Simulation 71  
 Battlestorm 151, 74  
 Crazy Cars 78  
 Crime Does Not Pay 78  
 DARK CENTURY 78  
 Demoniak 79  
 Eagle's Rider 80  
 F40 Pursuit Simulator 81  
 Fire and Forget 81  
 Fire and Forget II 82  
 Galactic Conqueror 82  
 Highway Patrol II 84  
 KNIGHT FORCE 86  
 Light Corridor 88  
 Murders in Space 90  
 Mystical 90  
 Offshore Warrior 90  
 Prehistorik 154, 93  
 Sliders 96  
 Swap 98  
 Titan 101  
 WILD STREETS 103

**Toaster Crustaceans**  
 Toaster Crustacean Videos 169

**Tom Macri**  
 AniMotions 6

**Top Secret Device**  
 AKC-1000 Keyboard Connector 138  
 AKC-500+ Parallel Keyboard Connector 138  
 Brick-ette 156  
 CDKC-1000 Keyboard Connector 156  
 KA-1 Enhanced Keyboard Adapter 138

**TriMedia Inc.**  
 AccuPoint™ Accessory Pressure Pen 137  
 AccuPoint™ TCS Software Kit 137  
 Amiga Wiz 6-Button Cursor 137  
 DrawingBoard II Pressure Model / AccuPoint™ 137  
 DrawingBoard II Standard Model / AccuPoint™ 137  
 DrawingPad / AccuPoint™ 137  
 Wiz / AccuPoint™ 137

**Tripp Lite**  
 ISOBAR® Ultra Surge Suppressor 149  
 UPS System (BC-series) 150  
 Troy Soft  
 Scriptgen 121

**TRSL-Technical Resource Systems Laboratory**  
 Charts&Graphs 56

**Tru-Image**  
 35mm Slides 160  
 Ilene's Color Cookbook 3

**True BASIC, Inc.**  
 Advanced String Library 64  
 Algebra I 50  
 Arithmetic 51  
 Back to BASIC 165  
 Calculus 51  
 Developer's Toolkit 65  
 Discrete Mathematics 51  
 Introduction to Computer Applications Using BASIC 165  
 Pre-Calculus 52  
 Probability Theory 52  
 Standard BASIC Programming with True BASIC 166  
 Structured BASIC Programming 166  
 Structured Programming with True BASIC 166  
 The True BASIC Primer 166  
 Trigonometry 52  
 True BASIC 3D Graphics 64  
 True BASIC Language System 63  
 True BASIC Sorting and Searching 64  
 True BASIC—A Complete Manual 166  
 True BASIC—Programs and Subroutines 64  
 TrueSTAT 52

**Trumor Company, Inc., The**  
 Crayons And Rainbows 44

**TUPsoft c/o Mike Hansel**  
 KDV V Version 2.04 1.15 69

## U

**U.S. Gold**  
 Cybercon III 78  
 Knights of the Crystallion 87  
 Murder! 90  
 Rotox 95  
 The Godfather 100  
 The Gold of the Aztecs 100  
 Vaxine 102  
 World Class Soccer 104

**UBI Soft**  
 B.A.T. (Bureau of Astral Troubleshooters) 73  
 Battle Isle 73  
 Celtic Legends 76  
 Koshan Conspiracy 87  
 MEGA lo MANIA 88  
 Pick'N Pile 92  
 Pro Tennis Tour 93  
 Pro Tennis Tour II 93

**Unicorn Software Company**  
 Aesop's Fables 43  
 All About America 50  
 Decimal Dungeon 51  
 Fraction Action 51  
 Kinderama 44  
 Land of the Unicorn 46  
 Magical Myths 55  
 Math Wizard 52  
 Read & Rhyme 45  
 Read-a-Rama 45  
 Tales From The Arabian Nights 45  
 The Adventures of Sinbad 45  
 The Logic Master 50  
 The Wonders of the Animal Kingdom 46  
 The World Master Vocabulary Builder 47

**Unill Graphics**  
 2D-3D Font Conversion Service 159  
 Bevel Fonts 3D 7  
 Broadcast Fonts 3D 7  
 WaveWriter 13

**Unique Design Software**  
 Personal Information Manager 57

**Unison World**  
 Art Gallery  
 Fantasy 30  
 Art Gallery I & II 30  
 Fonts & Borders 32  
 PrintMaster Plus 34

**Unitech Electronics Pty. Ltd.**  
 Kickboard Plus 147

**USA Media**  
 ACE/Automated Catering Environment 56  
 Celebrity Cookbook With Expandable Recipe Filer Ver 105  
 The Great Recipes of Italy with Expandable Recipe F 105

**V**

**VADPAC Systems**  
 VADPAC VADPAC 160

**Venn Software Ltd.**  
 term2200 110  
 term6312 110

**VersaSoft Corporation**  
 dBMAN V 59

**Versitek Software Ltd.**  
 KnitterChart 111

**Victor Osaka**  
 How To Manual 167

**Video Arts Systems & Technology**  
 AdVISION™ 130  
 Video Arts Teleprompting Systems 125

**Video Bookshelf**  
 Everything You Need To Know About PRO VIDEO GOLD 169

**Video Technical Group**  
 Designing and Building Your Desktop Video System 168  
 Producer's Survival Kit™ Professional Video Forms B 59

**Video Toaster User**  
 Video Toaster User Newsmagazine 170

**Video Visions**  
 MultiVisions 27  
 The Animator Set 27  
 The Mixed Set 27  
 The Studio Set 27  
 The Titler Set 27  
 The Wedding Set 27

**VideoAdvantage**  
 Amiga Encyclopedia On A Video 168

**Videographix**  
 Toast and Coffee/Videographix Today 170

**Videomedia, Inc.**  
 Animax™ Animation Controller Card 20

MICRON™ 126  
 PACET™ Professional Animation Control Engine 126  
 SuperMICRON™ 127  
 V-LAN™ Driver 122

**Vidia**  
 Amiga Graphics Reference Card 164  
 Amiga Programmer's Quick Reference 165  
 Amiga Text Editor Quick Reference 165  
 Fast Guide to Amiga CLI 162  
 Fast Guide to AREXX 165  
 Fast Guide to Workbench 162  
 Video Calibration Set 26  
 Vidia Guide to DeluxePaint IV 164  
 Vidia Guide to PageStream 162  
 Vidia Guide to Professional Page 162  
 Vidia Image Library 4

**VidTech International, Inc.**  
 The VT Genlock Enhancer 128  
 VideoMaster 128

**Virgin Games, Inc.**  
 Artura by Arcadia 72  
 Awesome Arcade Action Pack 73  
 Clue Master Detective 76  
 Corporation 77  
 Double Dragon II  
 The Revenge 79  
 Greg Norman's Shark Attack! The Ultimate Golf Simul 83  
 Magic MVP Johnson 88  
 Monopoly 89  
 Musicolr 154  
 North Polar Expedition 154  
 NY Warriors 90  
 Overlord 91  
 Rick Davis's World Trophy Soccer 94  
 Risk 94  
 Scrabble 95  
 Spirit of Excalibur 154  
 Sport of Kings 97  
 Spot 97  
 Super Off Road 98  
 War in Middle Earth 103  
 Wonderland 104

**Virtual Reality Laboratories, Inc.**  
 Distant Suns 4.2 41  
 Distant Suns Expansion Disk-Big Stars on Demand 53  
 Distant Suns Expansion Disk-Deep Sky Objects 53  
 Distant Suns Expansion Disk-Sky Map Level 1 53  
 Distant Suns Expansion Disk-Yale Bright Catalog 53  
 Distant Suns-Space Visions 41  
 I001  
 Vistapro Scapes—Potpourri Selection. See 1  
 I002  
 Vistapro Scapes—Potpourri Selection. See 2  
 I003  
 Vistapro Scapes—Potpourri Selection. See 3  
 L001  
 Vistapro Scapes—Southern California 9  
 MakePath 1.0 5, 9  
 TerraForm 2.0 5  
 Vistapro 2.0 6  
 Vistapro 3.0 10  
 X001  
 Vistapro Scapes—Mars Equatorial Region 10  
 X002  
 Vistapro Scapes—Simi Valley 10  
 X003  
 Vistapro Scapes—Palmdale 10  
 X004  
 Vistapro Scapes—Los Angeles 10  
 X005  
 Vistapro Scapes—California Set-Inland Empire 10  
 X006  
 Vistapro Scapes—California Set-San Diego 10  
 X007  
 Vistapro Scapes—California Set-Orange County Area 10  
 X008  
 Vistapro Scapes—California Set-Yosemite North 10  
 X009  
 Vistapro Scapes—Yosemite South 10  
 X010  
 Vistapro Scapes—Kings Canyon National Park 10  
 X011  
 Vistapro Scapes—Mineral King 11  
 X012  
 Vistapro Scapes—Sequoia National Park 11

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

# Product Index by Vendor

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

|  |   |
|--|---|
| X013   | Vistapro Scapes-Grand Canyon A 11                 |
| X014   | Vistapro Scapes-Grand Canyon B 11                 |
| X015   | Vistapro Scapes—Grand Canyon C 11                 |
| X016   | Vistapro Scapes—Grand Canyon D 11                 |
| X017   | Vistapro Scapes—San Francisco Bay Area 11         |
| X018   | Vistapro Scapes—Vail, Colorado 11                 |
| X019   | Vistapro Scapes-Breckenridge, Colorado 11         |
| X020   | Vistapro Scapes-Aspen, Colorado 11                |
| X021   | Vistapro Scapes-Colorado River A 11               |
| X022   | Vistapro Scapes-Colorado River B 11               |
| X023   | Vistapro Scapes—Colorado River C 11               |
| X024   | Vistapro Scapes—Colorado River D 11               |
| X025   | Vistapro Scapes—Appalachian Trail, Virginia 11    |
| X026   | Vistapro Scapes—Glacier National Park, Montana 11 |
| X027   | Vistapro Scapes—Snake River, Idaho and Wyoming 11 |
| X028   | Vistapro Scapes—Jackson Hole, Wyoming 11          |
| X029   | Vistapro Scapes-Old Faithful, Wyoming 11          |
| X030   | Vistapro Scapes—Scenic Vistas, Wyoming 11         |
| X031   | Vistapro Scapes-Mt. Michelson, Alaska A 11        |
| X032   | Vistapro Scapes-Mt. Michelson, Alaska B 11        |
| X033   | Vistapro Scapes-Central California 11             |
| X034   | Vistapro Scapes—California Scenes 11              |
| <b>Visual Vision Video &amp; Graphic Productions</b> |   |
| Visual Vision 161                                    |   |
| <b>Vivid Group, The</b>                              |   |
| Interactor 105                                       |   |
| Mandala® Virtual World Authoring Software 21         |   |
| <b>Viziflex Seels, Inc.</b>                          |   |
| Carpal Eez 158                                       |   |
| Computer Reference Wall 158                          |   |
| Viziflex Seels 159                                   |   |
| <b>vortex Computersisteme</b>                        |   |
| vortex ATonce-Amiga v1.27 134                        |   |
| vortex ATonce-Classic v2.33 134                      |   |
| vortex ATonce-Plus 134                               |   |
| vortex Golden Gate 134                               |   |
| vortex Golden Gate 486SLC 134                        |   |
| vortex Monitor Master 141                            |   |
| <b>W</b>   |   |
| <b>W. van Heeckeren</b>                              |   |
| Prism Pal Color Splitter 125                         |   |
| <b>WallyWare</b>                                     |   |
| WallyWare Cryptograms 55                             |   |
| <b>Walnut Creek CDROM</b>                            |   |
| AB20 Internet Amiga Archive 111                      |   |
| Desktop Library CD-ROM 111                           |   |
| <b>Walt Disney Computer Software, Inc.</b>           |   |
| Arachnophobia 72                                     |   |
| Dick Tracy   |   |
| The Crime Solving Adventure 79                       |   |
| DUCKTALES  |   |
| The Quest for the Gold 78                            |   |
| Hare Raising Havoc 83                                |   |
| Stunt Island   |   |
| The Flying and Filming Simulation                    |   |

|  |                              |
|--|------------------------------|
| 98                                     | The Animation Studio 10      |
|  | The Rocketeer 100            |
|  | Who Framed Roger Rabbit? 104 |
| <b>Waterloo Maple Software</b>         |                              |
| Maple V Computer Algebra System 52     |                              |
| <b>Westgate Enterprises</b>            |                              |
| Non-Glare Full Spectrum Lights 158     |                              |
| <b>Whitestone</b>                      |                              |
| The ARexx Cookbook 166                 |                              |
| <b>Wild Duck</b>                       |                              |
| Fantavision 9                          |                              |
| <b>William S. Hawes</b>                |                              |
| ARexx 61                               |                              |
| ConMan 65                              |                              |
| WShell 2.0 67                          |                              |
| <b>Willow Mixed Media, Inc.</b>        |                              |
| Amiga Artists on the Air 170           |                              |
| <b>Winner Products USA Inc.</b>        |                              |
| M4 Mouse 138                           |                              |
| T4 Trackball 138                       |                              |
| UFO RC 1000 136                        |                              |
| <b>WordPerfect</b>                     |                              |
| WordPerfect 4.1 28                     |                              |
| WordPerfect 4.1 Maintenance Update 112 |                              |
| WordPerfect Library for Amiga 59       |                              |
| <b>Wright Works III, Inc.</b>          |                              |
| Dinosaurs for Hire 152                 |                              |
| Ninja High School 154                  |                              |

## X

|  |  |
|--|--|
| <b>Xavier Leclercq</b>                         |  |
| Master Virus Killer Version 2.2 69             |  |
| <b>Xetec, Inc.</b>                             |  |
| 50 flat SCSI cable x 12-inch 116               |  |
| 50-pin flat SCSI cable x 18-inch 116           |  |
| 50-pin flat SCSI cable x 6-inch 116            |  |
| Adapter board 116                              |  |
| CDx Disk Set 111                               |  |
| CDx-650E 150                                   |  |
| CDx-650I 150                                   |  |
| CDx-650LE 150                                  |  |
| CDx-Driveless 150                              |  |
| External Expansion Cable for Mini FastCard 116 |  |
| FastCard Plus 114                              |  |
| FastCard Plus Q105 114                         |  |
| FastCard Plus Q85 114                          |  |
| FastRam 114                                    |  |
| FastRam for A1000 (option) 120                 |  |
| FastRam for A500 (option) 120                  |  |
| FastRam with 2 meg 120                         |  |
| FastRam with 4 meg 120                         |  |
| FastSimm 1™ 116                                |  |
| FastSimm 4™ 116                                |  |
| FastTrak Chassis 116                           |  |
| FastTrak Q105 114                              |  |
| FastTrak Q85 A1000 114                         |  |
| FastTrak Q85 A500 114                          |  |
| FastTrak System less hard drive 115            |  |
| Fish & More Vol. I 111                         |  |
| Fish & More Vol. II 111                        |  |
| Mini FastCard 114                              |  |
| MOx-600 117                                    |  |
| ROD-5602 F/T 117                               |  |
| SA-10 Host Adapter 115                         |  |
| SA-5 Host Adapter 115                          |  |
| Shielded 25-pin sub-D to 50-pin flat cable 116 |  |

## Xiphias

|   |  |
|---|--|
| The American Heritage Illustrated Encyclopedia Dict 155 |  |
| The New Basics Electronic Cookbook 155                  |  |
| Time Table of Business, Politics and Media 155          |  |
| Time Table of Science and Innovation 155                |  |
| Time Table of the Arts and Entertainment 155            |  |

## XXIXIS Corp

|   |  |
|---|--|
| XY128RW 3.5-Inch Erasable Optical Subsystem 117     |  |
| XY600RW 117   |  |
| XY600RW-HS 5.25-Inch Erasable Optical Subsystem 117 |  |

## Z

### Zardoz Software

|                    |  |
|--------------------|--|
| ImageFinder v1.1 8 |  |
|--------------------|--|

### Zen Computer Services

|                  |  |
|------------------|--|
| Anti-A 23        |  |
| Smooth Talker 22 |  |

### Zuma Group

|                           |  |
|---------------------------|--|
| TV*SHOW V2.0 22           |  |
| TV*Text Professional 22   |  |
| Zuma Fonts Pack I & II 25 |  |

# Category Index

|  |   |
|--|---|
| <b>ACCESSORIES &amp; SERVICES</b> 157                  | PRINTER/BUFFERS 143                       |
| ACCESSORIES/WORKSTATIONS 157                           | PRINTER/LASER 144                         |
| SERVICES 159   | PRINTER/INKS 144                          |
| DESKTOP PRESENTATION 160                               | SCANNERS & DIGITIZERS 144                 |
| DESKTOP PUBLISHING 161                                 | SCIENTIFIC DIGITIZERS AND CONTROLLERS 145 |
| <b>BOOKS &amp; TAPES GENERAL</b> 162                   | SOUND AND MUSIC 145                       |
| AUDIO TAPES 162  | HARDWARE/DIGITIZERS 145                   |
| BOOK/DESKTOP PUBLISHING 162                            | SOUND AND MUSIC 146                       |
| BOOK/DOS 162   | HARDWARE/GENERAL 146                      |
| BOOK/ENTERTAINMENT 162                                 | SOUND AND MUSIC 146                       |
| BOOKS/GENERAL 164                                      | HARDWARE/MIDI INTERFACES 146              |
| BOOK/GRAPHICS 164                                      | SOUND AND MUSIC HARDWARE/SMPT 147         |
| BOOK/PROGRAMMING 164                                   | SWITCHERS 147                             |
| BOOK/TECHNICAL 166                                     | SYSTEM EXPANSION 147                      |
| BOOKS/TUTORIALS 167                                    | & EXPANSION CHASSIS 147                   |
| BOOK/VIDEO 167   | MISCELLANEOUS 149                         |
| VIDEOTAPES/TUTORIALS 168                               | CD-ROM 150                                |
| VIDEOTAPES/VIDEO 169                                   | UNINTERRUPTIBLE POWER SUPPLIES 150        |
| NEWSLETTERS 170  | <b>GRAPHICS ARTS GENERAL</b> 3            |
| <b>BUSINESS &amp; HOME PRODUCTIVITY</b> 56             | 3-D 5                                     |
| ACCOUNTING 57  | 3-D/CLIP ART & OBJECTS 6                  |
| DATABASES 58   | 3-D/FONTS 7                               |
| FINANCE 59   | 3-D/UTILITIES 8                           |
| FORMS 59   | 3-D VIDEOTITLING 9                        |
| INTEGRATED 59  | ANIMATION 9                               |
| SPREADSHEETS 59  | ANIMATION & UTILITIES 11                  |
| SPREADSHEET/UTILITIES 60                               | ARTWORKS 13                               |
| STATISTICAL ANALYSIS 60                                | CAD 13                                    |
| MISCELLANEOUS 60                                       | CAD/PARTS 14                              |
| VERTICAL MARKETS 60                                    | CAD/UTILITIES 14                          |
| <b>CDTV</b> 151  | GRAPHICS DISPLAY CARD 14                  |
| CDTV ACCESSORIES 156                                   | PAINT 15                                  |
| <b>DESKTOP PUBLISHING GENERAL</b> 29                   | PAINT CLIP ART 16                         |
| DRAWING PROGRAMS 29                                    | PAINT FONTS 17                            |
| CLIP ART 30  | PAINT TUTORIALS 18                        |
| FONTS 32   | PAINT UTILITIES 18                        |
| FORMS 33   | SCIENTIFIC/BUSINESS/ENGINEERING 18        |
| PRINT UTILITIES 34                                     | <b>MEMORY EXPANSION GENERAL</b> 119       |
| TUTORIAL 34  | 32 BIT MEMORY EXPANSION 123               |
| <b>DESKTOP VIDEO GENERAL</b> 19                        | MEMORY EXPANSION W/CLOCK 123              |
| FONTS 23   | <b>MISCELLANEOUS SOFTWARE</b> 104         |
| IMAGE PROCESSING 25                                    | AMATEUR RADIO 104                         |
| UTILITIES 25   | ARTIFICIAL INTELLIGENCE 104               |
| MISCELLANEOUS 27                                       | AUTHORING SYSTEMS 104                     |
| <b>DRIVES</b> 113                                      | CALENDARS 105                             |
| EXTERNAL FLOPPY DRIVES 113                             | COOKING 105                               |
| INTERNAL FLOPPY DRIVES 113                             | DISK CATALOGS 105                         |
| FLOPPY DRIVE ACCESSORIES 113                           | DISK MAGAZINES 106                        |
| HARD DRIVES 113  | FORTUNE TELLING 106                       |
| HARD DRIVES COMPLETE W/AUTOBOOT 114                    | GAMBLING 106                              |
| HARD DRIVES COMPLETE W/ AUTOBOOT /EXPANSION MEMORY 114 | GENEALOGY 106                             |
| HARD DRIVE CONTROLLER ONLY 114                         | HOME SECURITY 107                         |
| HARD DRIVE CONTROLLER 115                              | HANDICAP SUPPORT 107                      |
| W/ AUTOBOOT 115  | NETWORKING 107                            |
| HARD DRIVE KITS 116                                    | RELIGION 107                              |
| HARD DRIVE ACCESSORIES 116                             | STATISTICAL ANALYSIS 108                  |
| HARD DRIVE OPTICAL DRIVES 116                          | TELECOMMUNICATIONS 109                    |
| HARD DRIVES REMOVABLE MEDIA 117                        | TUTORIALS 110                             |
| DRIVES TAPE BACKUP 117                                 | WEATHER 110                               |
| HARD DRIVE CONTROLLER W/ 118                           | KNITTING/WEAVING 110                      |
| AUTOBOOT & EXPANSION 118                               | CD-ROM 111                                |
| <b>EDUCATION GENERAL</b> 41                            | DESKTOP PRESENTATION 111                  |
| BIOLOGY 43   | <b>MUSIC GENERAL</b> 35                   |
| BUSINESS 43  | EDITOR/LIBRARIAN 38                       |
| ECONOMICS 43   | PERCUSSION 39                             |
| ELEMENTARY 43  | PROGRAMMING 39                            |
| ENGLISH 46   | SONGS 39                                  |
| ENGLISH AS A SECOND LANGUAGE 47                        | SOUNDS AND INSTRUMENTS 39                 |
| FOREIGN LANGUAGES 47                                   | TUTORIAL 40                               |
| GEOGRAPHY 48   | UTILITIES 40                              |
| HEALTH 49  | MISCELLANEOUS 40                          |
| HISTORY 50   | <b>PROGRAMMING GENERAL</b> 61             |
| LOGIC 50   | GRAPHICS 63                               |
| MATH 50  | MUSIC 63                                  |
| MUSIC 53   | PROGRAMMING TOOLS 63                      |
| SCIENCE 53   | TEXT EDITORS 64                           |
| SOCIAL STUDIES 54                                      | TUTORIAL 64                               |
| TEACHING AIDS 54                                       | UTILITIES 65                              |
| TEST PREPARATION 54                                    | VIDEO PROGRAMMING 65                      |
| TYPING 55  | TOASTER 121                               |
| MISCELLANEOUS 55                                       | TOASTER FONTS 122                         |
| <b>ENTERTAINMENT GENERAL</b> 71                        | UTILITIES GENERAL 66                      |
| <b>GENERAL HARDWARE</b> 133                            | BACKING UP/COPYING 67                     |
| BACK UP HARDWARE 133                                   | CRYPTOGRAPHY 68                           |
| BRIDGEBOARD 133  | DOS CONVERSION 68                         |
| CABLES 134   | FILE MANAGEMENT 69                        |
| CHIPS 134  | VIRUS PROTECTION 69                       |
| CLOCKS 134   | SCREENSAVERS 69                           |
| COMPUTER SYSTEMS 134                                   | <b>VIDEO HARDWARE GENERAL</b> 124         |
| ENTERTAINMENT 135                                      | DIGITIZERS 125                            |
| ENTERTAINMENT/JOYSTICKS 135                            | DIGITIZERS/ACCESSORIES 125                |
| EXPERIMENTAL HARDWARE 136                              | DIGITIZERS/FRAME GRABBERS 125             |
| FAX-SSTV 136   | DIGITIZERS/SCANNERS 126                   |
| GRAPHICS HARDWARE 136                                  | DIGITIZERS/SCANNERS/ACCESSORIES 126       |
| HOME SECURITY HARDWARE 137                             | DVE 126                                   |
| INPUT DEVICES/GRAPHIC TABLETS 137                      | EDITING HARDWARE 126                      |
| MISCELLANEOUS 137                                      | ENCODERS 127                              |
| INPUT DEVICES/KEYBOARDS 137                            | VIDEO ENHANCEMENT 127                     |
| INPUT DEVICES/LIGHT PENS 138                           | FRAME BUFFERS 127                         |
| INPUT DEVICES/MOUSES 138                               | GENLOCK 128                               |
| INPUT DEVICES/BAR CODE 138                             | SWITCHERS 128                             |
| INPUT DEVICES/TOUCH SCREENS 139                        | TIME BASE CORRECTORS 129                  |
| INTEGRATED MULTIMEDIA SYSTEMS 139                      | VIDEO PRESENTATION SYSTEMS 130            |
| MODEMS 140   | <b>WORD PROCESSING GENERAL</b> 28         |
| MONITORS 140   | FONTS 28                                  |
| MONITOR ACCESSORIES 140                                | INTEGRATED SYSTEMS 112                    |
| NETWORKING 141   | SPELL CHECKERS 112                        |
| PORT EXPANSION 142                                     | TEXT EDITORS 112                          |
| PRINTERS 142   | UTILITIES 112                             |

# Last Minute Additions

## On The Ball

**Calendar:** View/print adjustable appointment schedules in week, month & year graphical views, 9 appointment repeat modes, reminder with snooze, search forward and back. **Addressbook:** Mailing labels, attach notes, auto dialer, sort/search any field. To-Do list: search, sort by optional due-date. **NotePad:** Powerful text editor, organizes notes, attach notes to any record, open multiple notes at one time, find notes containing keywords. Create personalized 'Tags', extensive ARexx, preferences. Imports Nag files and much more. Works with all Amigas in NTSC and PAL. Requires WB 1.3 and 256K RAM. \$40.00  
*Pure Logic Software 789 Butterfly Rd., Quincy, CA 95971*

## CD-RAM

Allows CDTV owners to add up to 8MB of Fast RAM internally. Auto-configs. Plugs into connector inside the case. Is compatible with the SCSI-TV, SCSI interface. Requires CDTV *AmiTriX Development, 7011-93 Avenue, Edmonton, Alberta, T6B 0W7, Canada, (403) 425-1746*

## CDAUG Fonts Collection

A collection of PD/Shareware/Redistributable Postscript Type 1 fonts (in both PostScript Type 1 and Agfa CompuGraphic file formats), each font has a .PFB, .AFM, .LIB, .DAT and .Metric file associated with it. Each volume contains 25-30 font typefaces. Requires WB 2.0 or higher, hard drive recommended. \$29.95 per volume. *Capital District Amiga Users Group, P.O. Box 14353, Albany, NY, 12212, (518) 377-3095*

## Tunnel Vision BBS

International Amiga only BBS. Over 11,000 files, Fidonet, usenet, Amiganet, spartnet, treknet, lots of online games, 2.6 gigs of storage. E-mail access to international locations. (604) 535-9026 (14.4), (604) 535-9846 (v.32bis), (604) 535-9785 (v.72bis), (604) 535-9784 (2400). \$40.00  
*Tunnel Vision, 1831 Lilac Dr., White Rock, BC V4A 6C7, Canada*

## Excelsior!BBS

Excelsior! is the premiere 2.0/3.0 BBS. Runs with any Amiga CPU configuration. Extensive GUI support gives the SysOp ultimate control over their system. No restrictions are placed upon internal data (lines, users, files, areas, etc.), limited only by hardware. Complete internal usenet support. Includes full-featured Fidonet mail processor. Async/automated QWK bundler. Private mailboxes for each user. Extensive security options. Full multi-tasking with all system functions. Extensive door support. ARexx interface. Demo available. Requires 1MB RAM and at least WB 2.0 \$139.95  
*Sycam Design, P.O. Box 452, St. Clair Shores, MI, 48080, (800) 243-1230*

## Masters Designers' Objects: Volume 1: Bed & Bath

VRS Media offers a library of dozens of high-resolution objects ready to render. No matter what the application: advertising, architectural, entertainment, or just plain fun—this series will have you up and rendering instantly. Volume 1: Bed & Bath includes a master bedroom and bathroom, each filled with furniture, appliances, fixtures and bric-a-brac, all painstakingly modeled and optimized for individual renderers. Surface attributes have already been assigned to take advantage of textures which ship with individual programs. And each room contains original texture maps which can be used in future projects. Imagine Amiga version.  
*VRS Media, 7116 Southwest 47th St., Miami, FL 33155 (305) 667-5005*

## ToasterFX

The ToasterFX LOAD module allows Direct loading of framebuffer files into ImageFX as 24-bit images. View the entire image on screen while painting or choose any zoom level for detail work. The ToasterFX save module saves any image loaded or created in ImageFX directly to NewTek's framebuffer format. Convert Video Toaster framestores directly to and from Amiga IFF24, JPEG, Targa, TIFF, GIF, Alias formats and more. The render module can directly display to the Video Toaster's framebuffers without leaving the ImageFX interface. (Choose between DV1 or DV2). ToasterFX completely integrates the operation of ImageFX with the Video Toaster, allowing direct access from the Toaster's switcher screen. ToasterFX requires GVP's ImageFX for painting and image processing functions. Painting and image processing can be accomplished on any Amiga computer. NewTek's Video Toaster is required only for direct displaying of framestores to the Toaster's framebuffers. *Byrd's Eye Software, 9001 Northgate Blvd. #135, Austin, TX 78758, (512) 835-4811*

## DSS8+

The successor to the popular DSS8 sampler, this 8-bit digital sound sampling hardware interface is the quietest, professional and most attractive yet made. Assembled of high-impact, non-yellowing, clear polycarbonate, this is the sound sampler to own for the Amiga. It includes multifaceted software for sampling, editing, song composition, and playback of monophonic and stereo sound samples as well as the popular .MOD song files. Works with all Amigas (A1000 requires adapter). *Great Valley Products, 600 Clark Ave., King of Prussia, PA 19406, (215) 337-8770, FAX (215) 337-9922*

## Viper 1230

Viper 1230 offers the Amiga 1200 owner a 68030 accelerator supporting high-speed memory expansion, an FPU coprocessor socket, a battery-backed real-time clock, and a unique 16-bit Direct Memory Access (DMA) port for further expansion capabilities. Up to 32MB of Fast RAM can be added. Viper 1230/40MHz, no FPU, no RAM, \$499.00. Viper 1230/50 MHz, no FPU, no RAM, \$699.00.  
*ICD Incorporated, 1220 Rock St. Rockford, IL 61101 (800) 373-7700*

## Viper S2

Viper S2 is the first VPD peripheral designed for the Viper 1230. It is a full DMA SCSI-2 controller offering truly sustainable transfers of 5MB/sec asynchronous and 10MB/sec synchronous. Viper S2 plugs directly into the DMA expansion connector of the Viper 1230 board. Viper S2 provides a standard, high-density SCSI-2 connector on the back of the Amiga 1200 computer. And for those who desire only the best, an internal high-density SCSI-2 connector is included to directly support a 2.5-inch SCSI hard drive inside the A1200. \$199.00  
*ICD Incorporated, 1220 Rock St. Rockford, IL 61101 (800) 373-7700*

## DKB1202

Realize the full potential of your A1200 with the DKB1202 expansion board. The DKB1202 uses the Motorola 68881 math coprocessor clocked a 16MHz, speeding up math intensive operations, a must-have feature if you do any morphing or animation, image manipulation, or ray-tracing. Handles up to 8MB of 32-bit memory, has built-in, real-time clock. Fits into trap door for easy installation. The new DKB1202 allows true 32-bit, zero-wait state Fast RAM access for maximum system performance.

Plug in and go. No complex setup required. \$189.95  
*DKB, 50240 W. Pontiac Tr., Wixom, MI 48393, (313) 960-8751*

## The Clock

A stand-alone real-time clock for the Amiga 1200. \$29.95.  
*DKB, 50240 W. Pontiac Tr., Wixom, MI 48393, (313) 960-8751*

## Video Toaster 4000

The Video Toaster 4000 is the latest upgrade of the powerful Amiga video tool that created Personal Video Production on the Amiga. Video Toaster 4000 includes a switcher with four video inputs and three internal digital sources. The system features close to 300 video effects, from dissolves and wipes with user-adjustable durations, to complex digital effects and animated transitions. Many effects feature drop shadows, glints, and smooth, full color animation. Toaster 4000 also includes an integrated loader, which allows users to load and display video frames, still stores, and animations. Both still graphics and animations can be displayed with variable transparency, adjustable drop shadows, and can be keyed over video sources. The system includes a new character generator featuring full support for PostScript fonts, including automatic kerning and text sizes up to 400 lines tall. The new Toaster CG can also load brushes from ToasterPaint, the Toaster 4000's 24-bit video paint system. New abilities of LightWave 3D include significantly enhanced rendering options, auto creation of lens flares, motion blur effects and depth of field adjustability. Requires Amiga 4000. \$2395.00  
*NewTek, 215 SE 8th St., Topeka, KS, 66603 (800) 847-6111*

## Scala MM200

Scala MM200 is a professional video titler with designer typefaces, an unlimited choice of typographical details, high resolution, and more than 80 exciting wipes. Other features include voice-over and special sound effects, support for most sampling hardware, configurable main menu, and the ability to load pictures and animations from other packages. Scala MM200 also allows the user to create interactive hotspots for total control of interactive scripts. Requires 3MB RAM, HD and WB 1.3 or higher. Additional memory and accelerator recommended.  
*Scala, Inc. 12110 Sunset Hills Rd. Ste. 100, Reston, VA 22090 (703) 709-8043*

## SCALA InfoChannel 400

The Scala InfoChannel 400 is a powerful introduction to what SCALA officials have termed, Computer Television software. Broadcast-quality performance, full networking capabilities, remote access control to multiple sites, closed-circuit broadcast and SCALA presentation features are only a few of the facets of this revised system. InfoChannel is already a successful product in the European market.  
*Scala, Inc. 12110 Sunset Hills Rd. Ste. 100, Reston, VA 22090 (703) 709-8043*

## TypeSmith 1.0

TypeSmith 1.0 is Soft-Logik's professional outline font editor to create and edit PostScript Type 1, CompuGraphic Intellifont, and Soft-Logik format fonts.  
*Soft-Logik Publishing Corporation, 11131 E. Pointe South Ct., St. Louis, MO 63123, (314) 894-8608, Fax (314) 894-3280*

## Table of Contents

How To Use This Guide

Graphic Arts

Desktop Video

Word Processing

Desktop Publishing

Music

Education

Business & Home Productivity

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

Video Toaster

Video Hardware

Accelerators

Miscellaneous Hardware

CDTV

Accessories & Services

Books & Tapes

Freely Redistributable Software(FRS)

Cat Fish FRS Index

Fred Fish FRS Index

AMICUS FRS Index

AC's Back Issue Index

Vendor/Product Registration

User's Groups

Index of Advertisers

Vendor Information

Product Index by Product

Product Index by Vendor

Category Index

Last Minute Additions

# Last Minute Additions

|                                      |
|--------------------------------------|
| Table of Contents                    |
| How To Use This Guide                |
| Graphic Arts                         |
| Desktop Video                        |
| Word Processing                      |
| Desktop Publishing                   |
| Music                                |
| Education                            |
| Business & Home Productivity         |
| Programming                          |
| Utilities                            |
| Entertainment                        |
| Miscellaneous Software               |
| Drives                               |
| Memory Expansion                     |
| Video Toaster                        |
| Video Hardware                       |
| Accelerators                         |
| Miscellaneous Hardware               |
| CDTV                                 |
| Accessories & Services               |
| Books & Tapes                        |
| Freely Redistributable Software(FRS) |
| Cat Fish FRS Index                   |
| Fred Fish FRS Index                  |
| AMICUS FRS Index                     |
| AC's Back Issue Index                |
| Vendor/Product Registration          |
| User's Groups                        |
| Index of Advertisers                 |
| Vendor Information                   |
| Product Index by Product             |
| Product Index by Vendor              |
| Category Index                       |
| Last Minute Additions                |

## EMPLANT

The Electronic Micro-Processor Level Amiga Native Task, EMPLANT, is a hardware/software product that allows the emulation of virtually any computer using the Amiga. A software driver and ROMs from the computer to be emulated are required. Custom programmable logic allows the EMPLANT hardware to appear as the hardware of the emulated system. Multiple emulation modules are possible at the same time on a single EMPLANT board. Macintosh emulation is currently available with other modules to be available soon. Basic EMPLANT system \$279.95, Option A (Basic EMPLANT system with high speed serial ports/AppleTalk support) \$349.95, Option B (Basic EMPLANT system with high-speed SCSI interface) \$349.95, Deluxe (Basic EMPLANT system with both high-speed serial and SCSI options) \$399.95. *Utilities Unlimited, Inc. 1641 McCulloch Blvd. Suite #25-124, Lake Havasu City, AZ 86403, Orders:(603) 680-9004, Tech support:(602) 680-9005, FAX:(602) 680-9006, BBS:(602) 453-9767.*

## DejaVue

DejaVue is a control memory subsystem that improves the operation of the NewTek Video Toaster for both stand-alone and large system users. It has two primary operating modes: learn and recall. When learning, the DejaVue software queries the Toaster software for operator settings, selections, and values used to create an effect. When recalling, DejaVue software commands the Toaster software to adjust all operator settings, selections, and values to the stored data, saving you a substantial number of mouse or keyboard commands. For production use, the DejaVue allows many effects to be preprogrammed, ready for rapid recall during a fast-paced production. Complex effects, such as a sized and positioned image in a partial wipe, are easily and repeatedly performed. \$500.00 plus shipping. *PreVue Technologies, P.O. Box 2617, Grass Valley, CA 95945 (800) 356-8863*

## PageStream 3.0

Version 3 is aimed at the hobbyist who uses a desktop publisher to write letters, and at the professional who produces high-end color separations. It can be used to create single-page flyers and to publish complex books with multiple sections and chapters. The new revision control and job system makes PageStream the ideal program for periodical publishers, while the plate control system and trapping capabilities makes it an industry leader for prepress work. Other features include a revolutionary tag system, flexible toolbox, expanded import and export capabilities, expanded AReXX implementation. The PageStream 3.0 publishing system comes standard with the PageLiner 2.0 text editor and the BME 2.0 bitmap picture editor. These programs are linked to PageStream with the included HotLinks 2.0, the Amiga data exchange standard. \$299.00 Upgrades available. *Soft-Logik Publishing Corp., 11131 s. Towne Sq. Ste. F, St. Louis, MO 63123 (314) 894-8608*

## 2 to 3, IDE

The 2 to 3, IDE is an adapter board for the internal IDE port that provides an additional standard size IDE port in the rear of the A1200 for a second IDE drive. \$50 *Elite Micro-Computers, 138 Turner Street, Port Reading, NJ 07064, (908) 541-4214, Fax (908) 541-6348.*

## Modular Expansion System

The Modular Expansion System that would allow A1200 users to fit two expansion boards in the standard RAM expansion port. EMC will allow other hardware developers to utilize the device through a licensing agreement. \$50 *Elite Micro-Computers, 138 Turner Street, Port Reading, NJ 07064, (908) 541-4214, Fax (908) 541-6348.*

## The Power Box

The Power Box is a device enclosure for the A600, A500, and A1200 (to hold two 5 1/4 inch devices) and a 200 watt power supply. The Power Box supports both SCSI and IDE devices. \$175 *Elite Micro-Computers, 138 Turner Street, Port Reading, NJ 07064, (908) 541-4214, Fax (908) 541-6348.*

## The BackPack

The BackPack, from EMC is an enclosure for the A600, A500, and A1200 that supports a single 3 1/2" x 1" hard drive unit with 20W power supply in both SCSI and IDE devices. \$110 *Elite Micro-Computers, 138 Turner Street, Port Reading, NJ 07064, (908) 541-4214, Fax (908) 541-6348.*

## 486SLC 33MHz Bridgeboard

The 486SLC 33MHz Bridgeboard for use in the A2000, A3000, or A4000. Available with 3MB of RAM, \$1100 *Elite Micro-Computers, 138 Turner Street, Port Reading, NJ 07064, (908) 541-4214, Fax (908) 541-6348.*

## Visiona

Visiona board is a 24-bit graphics board available in 85MHz, 110MHz, and 135MHz versions. The Visiona is expandable from 2MB to 4MB of VideoRAM. The Visiona board starts at \$2999.95 and goes to \$5999.95. *Distributed by MicroPace, 109 South Duncan Road, Champaign, IL 61821, 217 356 1962*

## OpalVision 2.0

A true 24-bit frame buffer and display device with 16.8 million colors available for every pixel and a maximum resolution of 768x480. An internal card, it operates automatically in NTSC or PAL mode in any Amiga with a video slot. Its powerful VLSI graphics coprocessor enables stencil modes, a host of transition effects and smooth, hardware-controlled priority switching and scrolling/panning effects. Includes connectors for all other optional OpalVision components. Included software: OpalPaint V 2.0, OpalAnimMATE V 2.0, Opal Presents!, Opal HotKey V 2.0, Miscellaneous Utility software. *Centaur Development, P.O. Box 4400. Redondo Beach, CA 90278, (800) 621-2202.*

## OpalVision Video Effects, Digitizing, and Titling Workstation

Add the OpalVision Video Processor board to add new worlds of video capabilities to the system. Grab frames from live video. Modify them in OpalPaint, add titles, color processing, and real-time chrominance effects, output to video tape, and use the "Roaster Chip" for real-time Digital Video Effects to transform on incoming video signal in composite or S-VHS format. *Centaur Development, P.O. Box 4400. Redondo Beach, CA 90278, (800) 621-2202.*

## The Video Slot Box

The Video Slot Box is a mini-tower that expands the Amiga 2000 and 3000 (Amiga 4000 and Toaster 4000 still in testing at press time) to have four complete video slots and three PC AT slots. Stocked with a 230watt power supply, the mini-tower plugs into an adapter card in the Amiga's existing video slot. Multiple adapter cards will be available to allow the Video Slot Box to be used with more than one

Amiga. Slots are soft-switched from one card to the other without danger of card failure. The system allows video users to more easily create a workstation equipped with all the video products they require. Available by July 1993. *Digital Creations, Inc., P.O. Box 97, Folsom, California 95763-0097*

## Toaster Toolbox 4000™

Toaster Toolbox 4000 is a slot expansion system designed for the Amiga 4000, but is compatible with all Amiga Video Toaster Systems. The Toaster Toolbox 4000 provides eight expansion slots for video toaster internal peripherals such as time base correctors, vectorscope and waveform monitors, single frame controllers, edit controllers, sync generators, and more in a color-matched case with a 200watt power supply. Limited time special introductory pricing is \$299. *Desktop Video Systems, 14111 West 95th Street, Lenexa, KS 66215, (913) 782-8888, Fax (913) 492-6908*

## Hamlet PC-SCOPE

The Hamlet PC-SCOPE is a full specification board-level NTSC/PAL waveform and vectorscope with mono/stereo audio bar graph displays. The unit with external reference input provides full screen individual, combined, or split 1/2-size or 1/4-size screen displays, and may be displayed superimposed on the picture. The Hamlet PC-SCOPE may be used as a stand-alone unit with hardware and software control via the RS 232 port. *Hamlet Video International Limited, Oak House, Chartridge Lane, Chesham, Bucks, HP5 2SG, England, 44 (0) 494 775850, Fax 44 (0) 494 791283.*

## Hamlet VIDEO SCOPE

The Hamlet VIDEO SCOPE is a three channel composite, component, S-VHS combined waveform/vectorscope with new stereo/mono bar graph/polar audio monitoring displays plus front panel BNC test probe (oscilloscope) input; auto-standards switching NTSC/PAL; 3H (ABC) parade, filter parade, ABC vector overlay, display picture mix, full screen or split 1/2 or 1/4 size displays, built in calibration; 1U rack enclosure with front panel control and/ or RS232 remote control via PC, Amiga, or Mac software. Also works with the Hamlet PORTA SCOPE Video Scope enclosure for portable use. *Hamlet Video International Limited, Oak House, Chartridge Lane, Chesham, Bucks, HP5 2SG, England, 44 (0) 494 775850, Fax 44 (0) 494 791283.*

## The Deli

The Deli is a video editing tool that allows Video Toaster owners to create complex scripts and edits for the Video Toaster to perform. The Deli can copy, move, clone, rename, delete framestores, convert buffered CG pages, search for duplicate names, compare directories, convert IFF fonts to Toaster Fonts, produce easy image captures, group framestores, provide framestore sequencing, provide timed and manual advance of events, and much more. Available late spring 1993 at \$225. *Personal Video Wizards, 7836 Second Avenue South, Bloomington, MN 55420, (612) 881-3340, Fax (612) 881-4835*

# AMIGA Developers, You are late!

If you have not registered your Amiga product, do it now.

Your product will be listed in the next *AC's GUIDE*.

Plus you will immediatly reach over 60,000 Amiga owners\* in the New Products section of the next issue of *Amazing Computing*.

\*Readership figures based on a new marketing poll conducted by PIM Publications, Inc.

FREE INFORMATION! INFORMATION! INFORMATION!

# AC's GUIDE/AMIGA

## FREE INFORMATION!

AC's GUIDE Valid Until 11/15/93  
see page 256 for reference numbers

Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ ST. \_\_\_\_\_ Zip \_\_\_\_\_  
Country \_\_\_\_\_

- A. Which of the following do you now own?  
(please check all that apply)  
O 1. Amiga 500/1000 O 4. Amiga 3000  
O 2. Amiga 600 O 5. Amiga 4000/1200  
O 3. Amiga 2000 O 6. Do not own an Amiga
- B. If none of the above, which do you plan to buy soon?  
O 7. Amiga 600 O 9. Amiga 1200  
O 8. Amiga 3000 O 10. Amiga 4000
- C. Which Amiga hardware product do you plan to buy next?  
O 11. memory expansion O 15. modem  
O 12. hard drive O 16. music tool  
O 13. IBM emulators O 17. video product  
O 14. printer O 18. accelerator  
O 19. other (please specify): \_\_\_\_\_
- D. Which Amiga software product do you plan to buy next?  
O 20. C language O 27. spreadsheet  
O 21. Forth language O 28. database  
O 22. Modula-2 language O 29. financial  
O 23. Assembly language O 30. video  
O 24. BASIC language O 31. graphics  
O 25. entertainment O 32. music  
O 26. telecommunications O 33. other (please specify): \_\_\_\_\_
- E. How much money are you likely to spend on all Amiga product purchases this year?  
O 34. \$0-\$250 O 38. \$1501-\$2000  
O 35. \$251-\$500 O 39. \$2001-\$4000  
O 36. \$501-\$1000 O 40. over \$4000  
O 37. \$1001-\$1500
- F. Where do you buy Amiga products?  
O 41. local Amiga Dealer O 43. manufacturer  
O 42. discount department store O 44. mail order
- G. How many times have you purchased an Amiga product after seeing it in AC's GUIDE?  
O 45. frequently O 47. once  
O 46. occasionally O 48. never
- H. How did you obtain your copy of AC's GUIDE?  
O 49. subscribe (how long? \_\_\_\_\_ years)  
O 50. buy at local Amiga dealer  
O 51. buy at bookstore/newsstand/software store
- I. How many others not including yourself usually see or read your issue of AC's GUIDE?  
O 52. other: \_\_\_\_\_
- J. How do you read AC's GUIDE (please check one):  
O 53. \_\_\_\_\_ others, in addition to myself  
O 54. read virtually everything, cover-to-cover  
O 55. scan through pages and read items of interest only  
O 56. check table of contents and maybe read 1-2 articles  
O 57. read my favorite column(s) only  
O 58. read very little of it
- K. Have you ever purchased a copy of *Amazing Computing*?  
O 59. yes—but only once. O 61. no—but plan to soon.  
O 60. yes—two or more times. O 62. no—not interested.  
O 63. yes—I subscribe.
- L. Have you ever purchased a copy or subscribed to AC's TECH?  
O 64. yes—but only once. O 66. no—but plan to soon.  
O 65. yes—two or more times. O 67. no—not interested.  
O 68. no—use my dealer's copy.

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 101 | 102 | 103 | 104 | 105 | 221 | 222 | 223 | 224 | 225 |
| 106 | 107 | 108 | 109 | 110 | 226 | 227 | 228 | 229 | 230 |
| 111 | 112 | 113 | 114 | 115 | 231 | 232 | 233 | 234 | 235 |
| 116 | 117 | 118 | 119 | 120 | 236 | 237 | 238 | 239 | 240 |
| 121 | 122 | 123 | 124 | 125 | 241 | 242 | 243 | 244 | 245 |
| 126 | 127 | 128 | 129 | 130 | 246 | 247 | 248 | 249 | 250 |
| 131 | 132 | 133 | 134 | 135 | 251 | 252 | 253 | 254 | 255 |
| 136 | 137 | 138 | 139 | 140 | 256 | 257 | 258 | 259 | 260 |
| 141 | 142 | 143 | 144 | 145 | 261 | 262 | 263 | 264 | 265 |
| 146 | 147 | 148 | 149 | 150 | 266 | 267 | 268 | 269 | 270 |
| 151 | 152 | 153 | 154 | 155 | 271 | 272 | 273 | 274 | 275 |
| 156 | 157 | 158 | 159 | 160 | 276 | 277 | 278 | 279 | 280 |
| 161 | 162 | 163 | 164 | 165 | 281 | 282 | 283 | 284 | 285 |
| 166 | 167 | 168 | 169 | 170 | 286 | 287 | 288 | 289 | 290 |
| 171 | 172 | 173 | 174 | 175 | 291 | 292 | 293 | 294 | 295 |
| 176 | 177 | 178 | 179 | 180 | 296 | 297 | 298 | 299 | 300 |
| 181 | 182 | 183 | 184 | 185 | 301 | 302 | 303 | 304 | 305 |
| 186 | 187 | 188 | 189 | 190 | 306 | 307 | 308 | 309 | 310 |
| 191 | 192 | 193 | 194 | 195 | 311 | 312 | 313 | 314 | 315 |
| 196 | 197 | 198 | 199 | 200 | 316 | 317 | 318 | 319 | 320 |
| 201 | 202 | 203 | 204 | 205 | 321 | 322 | 323 | 324 | 325 |
| 206 | 207 | 208 | 209 | 210 | 326 | 327 | 328 | 329 | 330 |
| 211 | 212 | 213 | 214 | 215 | 331 | 332 | 333 | 334 | 335 |
| 216 | 217 | 218 | 219 | 220 | 336 | 337 | 338 | 339 | 340 |

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see page 256 for reference numbers

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Country \_\_\_\_\_

- A. Which of the following do you now own?  
(please check all that apply)  
O 1. Amiga 500/1000 O 4. Amiga 3000  
O 2. Amiga 600 O 5. Amiga 4000/1200  
O 3. Amiga 2000 O 6. Do not own an Amiga
- B. If none of the above, which do you plan to buy soon?  
O 7. Amiga 600 O 9. Amiga 1200  
O 8. Amiga 3000 O 10. Amiga 4000
- C. Which Amiga hardware product do you plan to buy next?  
O 11. memory expansion O 15. modem  
O 12. hard drive O 16. music tool  
O 13. IBM emulators O 17. video product  
O 14. printer O 18. accelerator  
O 19. other (please specify): \_\_\_\_\_
- D. Which Amiga software product do you plan to buy next?  
O 20. C language O 27. spreadsheet  
O 21. Forth language O 28. database  
O 22. Modula-2 language O 29. financial  
O 23. Assembly language O 30. video  
O 24. BASIC language O 31. graphics  
O 25. entertainment O 32. music  
O 26. telecommunications O 33. other (please specify): \_\_\_\_\_
- E. How much money are you likely to spend on all Amiga product purchases this year?  
O 34. \$0-\$250 O 38. \$1501-\$2000  
O 35. \$251-\$500 O 39. \$2001-\$4000  
O 36. \$501-\$1000 O 40. over \$4000  
O 37. \$1001-\$1500
- F. Where do you buy Amiga products?  
O 41. local Amiga Dealer O 43. manufacturer  
O 42. discount department store O 44. mail order
- G. How many times have you purchased an Amiga product after seeing it in AC's GUIDE?  
O 45. frequently O 47. once  
O 46. occasionally O 48. never
- H. How did you obtain your copy of AC's GUIDE?  
O 49. subscribe (how long? \_\_\_\_\_ years)  
O 50. buy at local Amiga dealer  
O 51. buy at bookstore/newsstand/software store
- I. How many others not including yourself usually see or read your issue of AC's GUIDE?  
O 52. other: \_\_\_\_\_
- J. How do you read AC's GUIDE (please check one):  
O 53. \_\_\_\_\_ others, in addition to myself  
O 54. read virtually everything, cover-to-cover  
O 55. scan through pages and read items of interest only  
O 56. check table of contents and maybe read 1-2 articles  
O 57. read my favorite column(s) only  
O 58. read very little of it
- K. Have you ever purchased a copy of *Amazing Computing*?  
O 59. yes—but only once. O 61. no—but plan to soon.  
O 60. yes—two or more times. O 62. no—not interested.  
O 63. yes—I subscribe.
- L. Have you ever purchased a copy or subscribed to AC's TECH?  
O 64. yes—but only once. O 66. no—but plan to soon.  
O 65. yes—two or more times. O 67. no—not interested.  
O 68. no—use my dealer's copy.

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 101 | 102 | 103 | 104 | 105 | 221 | 222 | 223 | 224 | 225 |
| 106 | 107 | 108 | 109 | 110 | 226 | 227 | 228 | 229 | 230 |
| 111 | 112 | 113 | 114 | 115 | 231 | 232 | 233 | 234 | 235 |
| 116 | 117 | 118 | 119 | 120 | 236 | 237 | 238 | 239 | 240 |
| 121 | 122 | 123 | 124 | 125 | 241 | 242 | 243 | 244 | 245 |
| 126 | 127 | 128 | 129 | 130 | 246 | 247 | 248 | 249 | 250 |
| 131 | 132 | 133 | 134 | 135 | 251 | 252 | 253 | 254 | 255 |
| 136 | 137 | 138 | 139 | 140 | 256 | 257 | 258 | 259 | 260 |
| 141 | 142 | 143 | 144 | 145 | 261 | 262 | 263 | 264 | 265 |
| 146 | 147 | 148 | 149 | 150 | 266 | 267 | 268 | 269 | 270 |
| 151 | 152 | 153 | 154 | 155 | 271 | 272 | 273 | 274 | 275 |
| 156 | 157 | 158 | 159 | 160 | 276 | 277 | 278 | 279 | 280 |
| 161 | 162 | 163 | 164 | 165 | 281 | 282 | 283 | 284 | 285 |
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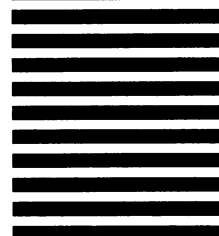
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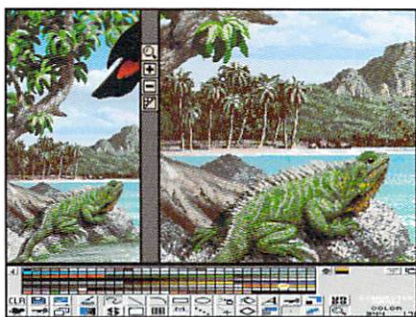
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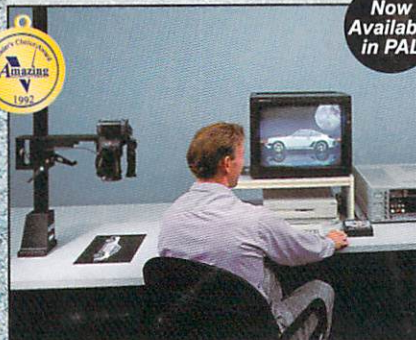
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